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# Annals of the Smithsonian Institution 1995



Smithsonian Institution Press  
Washington, D.C.



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# Smithsonian Institution

## *Establishment, Board of Regents, Executive Committee, and the Secretary*

Office of the Secretary  
Office of the Under Secretary  
Office of the Provost  
Office of Inspector General  
Office of Planning, Management, and Budget  
Office of General Counsel  
Office of Government Relations  
Office of Communications

## Provost

### *Sciences*

Conservation Analytical Laboratory  
National Museum of Natural History  
National Zoological Park  
Office of Fellowships and Grants  
Office of International Relations  
Office of Smithsonian Institution Archives  
Smithsonian Astrophysical Observatory  
Smithsonian Environmental Research Center  
Smithsonian Institution Libraries  
Smithsonian Tropical Research Institute

### *Arts and Humanities*

Anacostia Museum

Archives of American Art  
Arthur M. Sackler Gallery/Freer Gallery of Art  
Center for Museum Studies  
Cooper-Hewitt, National Design Museum  
Hirshhorn Museum and Sculpture Garden  
Institutional Studies Office  
National Air and Space Museum  
National Museum of African Art  
National Museum of American Art  
National Museum of American History  
National Museum of the American Indian  
National Portrait Gallery  
Office of Exhibits Central  
Smithsonian Institution Traveling Exhibition Service

### *Educational and Cultural Programs*

Center for Folklife Programs and Cultural Studies  
National Science Resources Center  
Office of Elementary and Secondary Education

## Under Secretary

### *Finance and Administration*

### *Institutional Advancement*

National Campaign for the National Museum of the  
American Indian  
Office of Membership and Development  
Office of Special Events and Conferences  
Smithsonian Women's Committee

### *Other Functions*

Business Management Office  
Office of the Senior Information Officer  
Office of Telecommunications  
The Smithsonian Associates  
Smithsonian Institution Press  
*Smithsonian Magazine*  
*Air & Space/Smithsonian Magazine*

### *Affiliated Organizations*

John F. Kennedy for the Performing Arts  
National Gallery of Art  
Reading Is Fundamental  
Woodrow Wilson International Center for Scholars

# Statement by the Secretary

When I look back at my installation as Smithsonian Secretary, in September 1994, it seems simultaneously to have happened yesterday and a decade ago. I can hardly remember doing anything else; yet I don't know where the year went.

For me, one of the most exciting events of the year was the launching of the Smithsonian's World Wide Web site on May 8, 1995. The Smithsonian Home Page (<http://www.si.edu>) is a gateway to more than 2,000 electronic pages and thousands of images in a fully integrated, cross-referenced presentation of the Smithsonian's sites, people, and resources. This was the first step toward fulfilling the commitment I made at my installation, a promise that the Smithsonian would become more than the place to visit in Washington, that we should become present throughout the country in new ways, and that we would become deeply engaged in this new world of information transmission and sharing. As of September 30, more than 8.5 million "hits" have been recorded at the site.

At the heart of the information revolution is something far more than an advance in technology. It is the fulfilling of one central promise of democracy: to make knowledge available to as many citizens as possible, and to allow that access to be shaped by their needs. The "Electronic Smithsonian" gives us an opportunity to interact with America's homes, schools, senior-citizen and youth centers, universities, museums, laboratories, and research centers in ways undreamed of a few years ago. As we prepare for the celebration of our 150th anniversary in 1996, we have continued to enlarge our technological capacity and knowledge to extend the reach of our historic mission. James Smithson's goal of the "increase and diffusion of knowledge" has been reborn for a new century.

Three major challenges have also punctuated the year. First, leadership changed in Congress, and we have had to get to

know a whole new group of legislators and staff whose actions can deeply affect us. Second, the Enola Gay episode exploded, raising other issues as well, and disproportionately dominated attention internally and externally; we were uncertain whether the Smithsonian would continue to be cherished in the light of so much negative publicity. However, a public opinion survey taken before the exhibit opened showed encouraging results. Seventy-two percent of the people who were surveyed said that the Smithsonian was extremely important or very important as a major place in which to understand American culture and American history. Just 14 percent said they were somewhat less favorable toward the Smithsonian given what had happened. Third, it became apparent that Congress was going to take serious action to tame the budget deficit, that our budget would have to be affected, and that we would have to concentrate on where to reduce operations to live within a lower appropriation.

It appears that we have established a good relationship with our oversight and appropriation committees and others in the legislature. This is evidenced by fair treatment in the budget process, real participation by our Congressional Regents, both old and new, at Institution events, and a showing of great interest in various of our activities by the Speaker, other legislators, and key Congressional staff.

The Enola Gay imbroglio was an enormous trial. The conflict required us to question anew how both to respect scholarly integrity and to assure our general and specific publics when we deal in controversial areas that we are not using exhibitions to inculcate a particular viewpoint. This is no easy task, and we now have a set of guidelines that set forth useful processes for future exhibitions. However, there is no substitute for good judgment and a disposition to try to be

objective, no matter how hard the quest. I do not urge the avoidance of all potentially controversial exhibitions. When they are done well, they respect both subject and audience and promote genuine understanding of tough issues.

The Smithsonian's budget problems are very real. We have received sympathetic treatment in Congress which, at this writing, has saved the planned Cultural and Conservation Center of the National Museum of the American Indian (although completion will also require the expenditure of some private funds raised by the museum) and increased our repair and renovation budget by 30 percent (a welcome enhancement to address serious facility problems). However, by not funding mandatory wage and inflationary increases Congress has effectively cut our base budget by 4 to 5 percent.

Since we cannot assume that this base cut is a one-year phenomenon, it is clear that change in the management structure and style of the Institution is required to prepare the Institution for the challenges of the 21st century. We must continue to reconfigure ourselves and to make permanent reductions and consolidations. To that end, our newly formed Provost's Office (which replaces three Assistant Secretary offices) will emphasize service to the museums, research institutes, and other program and support offices; coordinate central oversight more efficiently; decentralize decision-making; and encourage greater coordination and cooperation among the various program units across the Institution.

I end this report on my first year as Secretary with an enthusiastic look ahead at our 150th year celebration in 1996. We see the 150th anniversary as an opportunity to say "thank you" to the American public, which has supported the

Smithsonian for all these years, by offering many of our best exhibits and programming.

Although there will be special exhibitions and events here in the nation's capital, the Institution's home, the most ambitious projects for our celebration will bring the national museums to millions of people who may not plan to visit Washington next year. If they cannot come to us, we will go to them. These include a wonderful traveling exhibition, "America's Smithsonian," which will take highlights from the national collections to people around the country, and television programs throughout the year on CBS. And we will continue to expand and enhance the role of the "Electronic Smithsonian."

As we end the fiscal year, Discover Card and Intel have joined the Smithsonian's Corporate Partner Program, which will support the network television programming, the traveling exhibition, and a celebration on the National Mall in Washington on August 10, 1996, the actual anniversary of the Act of Congress that established the Institution. Thanks to their cooperation, the Smithsonian will be able to touch the lives of Americans nationwide in ways new to all of us.

I hope that these activities will both reinforce the splendor and importance of the Smithsonian in the minds of Americans and lead to expanded private support for our undertakings. We have entered an era in which the Smithsonian must rely more heavily on private support from individuals and corporations, and this presents us with both challenges and great opportunities.

*I. Michael Heyman*  
*Secretary*  
*September 30, 1995*

# Report of the Board of Regents

The Smithsonian's Board of Regents held plenary meetings on January 30, May 8, and September 18, 1995, and sponsored committee meetings throughout the year. The Executive Committee, the Nominating Committee, the Audit and Review Committee, the Investment Policy Committee, and the Personnel Committee advanced the work of the board with increasing effectiveness.

Membership on the board sustained a fair degree of turnover. In the November 1994 elections, House Speaker Tom Foley and Senator Jim Sasser were not returned to office and left the Board of Regents at the end of the 103rd Congress. Senator John Warner resigned to take on additional Senate responsibilities. Representative Norman Y. Mineta resigned from the Congress and thereby left the board. The board designated all four of these former regents as regents emeritus. New regents from the Congress were Representative Bob Livingston, Representative Sam Johnson, Senator Alan K. Simpson, and Senator Thad Cochran.

There was also turnover among the citizen members, as I. Michael Heyman resigned to become secretary of the Smithsonian, and the second terms of Jeannine S. Clark and Samuel C. Johnson expired. To fill these vacancies, the regents nominated Louis V. Gerstner Jr. of Connecticut, Howard H. Baker Jr. of the District of Columbia, and Anne d'Harnoncourt of Pennsylvania. The regents also nominated Regent Homer A. Neal for a successive statutory term of six years.

During the fiscal year, the regents met with their Commission on the Future of the Smithsonian, received the commission's report, and, with the assistance of the new ad hoc Committee on Policy and Programs, formulated responses to the recommendations. Noting that a number of the recommendations required the secretary's response over time, they asked for a progress report at least once a year. Working with the ad hoc committee and the secretary, the regents

adopted guidelines to help Smithsonian advisory boards fulfill their support functions.

Secretary Heyman engaged the regents in discussions of particularly difficult issues. After extensive deliberations, the regents publicly expressed their support for the secretary's decision to cancel the long-planned and highly controversial exhibition on the *Enola Gay* and the end of World War II at the National Air and Space Museum and replace it with a display of the aircraft and related artifacts. After reviewing the findings of a National Academy of Public Administration study on the organization and management of the museum, the board adopted guiding principles for recruiting a new director and developing a mission statement.

The Board of Regents reviewed the secretary's plans for reorganization of Smithsonian senior management and adopted changes in its bylaws to conform to the new organization. The regents also approved revised bylaws for the Smithsonian National Board and appointed its officers and membership. By regents' resolution, the chairman of the Smithsonian National Board will remain a nonvoting participant in regents' meetings. The regents also adopted revisions to the bylaws of the Commission of the National Portrait Gallery.

Several reports to the Board of Regents during the year were especially significant with respect to the future of the Smithsonian. The board received reports on Latino initiatives, plans for the 1996 150th anniversary year and the traveling exhibition "America's Smithsonian," the development of the 150th Anniversary Corporate Partner Program, and the debut of the Smithsonian's home page on the World Wide Web. The Regents also discussed issues of revenue enhancement, development initiatives, and increasing fiscal stringencies. In the latter context, the regents authorized the deaccession of the Barney Studio House subject to review by the Executive Committee.

In other actions, the Board of Regents approved the development of an affinity credit card, endorsed the phased planning of the extension of the National Air and Space Museum and reaffirmed its placement at Washington Dulles International Airport, and voted to continue soliciting voluntary donations in selected Smithsonian museums. The board also noted that the Senate has requested a feasibility study on collecting admission fees in the museums.

The regents awarded the Joseph Henry Medal to retiring General Counsel Peter G. Powers and to Representative Sidney R. Yates, a regent emeritus, in grateful recognition of their decades of extraordinary service to the Smithsonian.

During the year, the regents appointed the following individuals to boards and commissions: Manley Alan Begay Jr., George L. Cornell, Billy L. Cypress, Dwight Gourneau, Gerald R. McMaster, Joann Sebastian Morris, Nancy Clark Reynolds, Phyllis Young, James A. Block, Ellsworth H. Brown, Catherine Sweeney Fowler, Douglas M. George, Jorge Flores Ochoa, Luci Tapahonso, and Bernard Julian Whitebear to the Board of Trustees of the National Museum of the

American Indian; Kathleen Allaire, Harvey Krueger, Richard Smith, Agnes Bourne, Barbara Levin, and Richard Hayden to the Board of Trustees of the Cooper-Hewitt, National Design Museum; David C. Driskell, Frances Humphrey Howard, Robin B. Martin, and Robert H. Nooter to the Commission of the National Museum of African Art; Nancy Ruth Morin, Alan K. Simpson, and Stanley O. Ikenberry to the Board of the National Museum of Natural History; Edwin I. Colodny, Ann Cousins, Frank K. Ribelin, Wanda M. Corn, Rosa Rionda de la Cruz, Paul D. Parkman, and Gerald L. Pearson to the Commission of the National Museum of American Art; Mrs. Hart Fessenden, Kurt Gitter, Jill Hornor Ma, Aboulala Soudavar, and Paul Walter to the Arthur M. Sackler Gallery Visiting Committee; and Roger Covey, Richard Danziger, and Cynthia Helms to the Freer Gallery of Art Visiting Committee.

### *Staff Changes*

Throughout fiscal year 1995, under the new leadership of I. Michael Heyman, various reorganizations were undertaken to place greater emphasis on the responsibilities of the museums, research centers, and offices. The Office of the Provost was established under Robert S. Hoffmann, the Smithsonian's former assistant secretary for science. On an interim basis, former assistant secretaries Tom L. Freudenheim and James C. Early and deputy assistant secretary Ross B. Simons became assistant provosts. Former Assistant Secretary Thomas E. Lovejoy was named counselor to the secretary for biodiversity

and environmental affairs, former deputy assistant secretary Marc J. Pachter became counselor to the secretary for special projects and the electronic media, and Miguel A. Bretos served as counselor to the secretary for Latino affairs under contract. Alice Green Burnette was given the new title of assistant secretary for institutional advancement.

Retiring from the administrative ranks were Peter G. Powers, the Smithsonian's first general counsel, former Assistant Secretary John F. Jameson, and Contracting Officer Robert P. Perkins. Other departures of note included Director of Government Relations Mark W. Rodgers, Deputy Assistant Secretary Claudine K. Brown, Director of Facilities Services Richard L. Siegle, Director of Protection Services Charles A. Hines, and National Air and Space Museum Director Martin O. Harwit. We were fortunate to have recruited by year's end J. Dennis O'Connor to become the Smithsonian's first permanent provost on January 1, 1996; John E. Huerta to assume the position of general counsel on November 13, 1995; David J. Umansky, who was appointed to the new position of director of communications in March 1995; M. John Berry, who became director of government relations in April 1995; John W. Cobert to assume the directorship of the Contracts Office; Edith W. Hedlin, who became director of the Office of the Smithsonian Institution Archives in October 1994; and Nicole L. Krakora, who was appointed director of special events and conferences services in June 1995.

To these officers and countless others, we owe a debt of gratitude for their efforts to bring the Smithsonian to its present greatness and envision its possibilities for the future.

# Chronology

## Fall

■ **Acquisition** At auction, Cooper-Hewitt, National Design Museum acquired six lots of rare French wallpapers representing the work of some of the premier French wallpaper producers of the late 18th and early 19th centuries.

## Fall

■ **Fellowship** Four senior fellows in plant science were appointed under the Smithsonian Institution University Program in the Studies of Evolution of Terrestrial Ecosystems, funded by the Andrew W. Mellon Foundation.

## Fall

■ **Children's Book** In collaboration with Hyperion Books for Children (a Disney affiliate), the National Museum of American Art published *Celebrate America in Poetry and Art*. More than 20,000 copies of this children's book have been sold, and a softcover edition is in the works.

## Fall

■ **Research Seminar Series** In a seminar series supported by the Educational Outreach Fund and coordinated by the Office of Fellowships and Grants, nine Smithsonian staff members spoke about Smithsonian research. The seminars were held at 16 large U.S. universities with significant numbers of students from underrepresented groups.

## October–September

■ **Acquisitions** The National Museum of American Art strengthened its collection with some 600 works, including major paintings by American modernists Georgia O'Keeffe and Robert Motherwell, a 24-foot-wide sculpture by Louise Nevelson, and a collection of approximately 300 prime examples of early American photography. The Renwick Gallery acquired some 60 new examples of 20th-century American crafts, made possible in large part by The James Renwick Alliance, which this year passed the half-million-dollar mark in gifts to the Renwick for acquisitions.

## October–September

■ **Collections Preservation** The National Museum of African Art's Eliot Elisofon Photographic Archives continued work on the Eliot Elisofon Motion Picture Film Collection Preservation and Classification Project, funded for the second year through a grant from the Smithsonian Research Resources Program.

## October–July

■ **Fellowships** Fellowships in Museum Practice from the Center for Museum Studies brought two museum professionals to the Smithsonian. Teresa Morales of the Programa de Museos Comunitarios y Ecomuseos, Oaxaca, Mexico, conducted research on "Cultural Appropriation and Community Museums," and D. Lynn McRainey of the Chicago Historical Society studied "Interpreting History through Interactive Experiences."

## October–November

■ **Teachers' Program** Thousands of teachers across the country participated in a nationally broadcast series of interactive videos produced by the Harvard-Smithsonian Center for Astrophysics Science Education Department to demonstrate how student misconceptions may interfere with the learning of science.

## October–November

■ **Research** A Smithsonian Astrophysical Observatory instrument aboard the Spartan 201 satellite launched from the space shuttle discovered extremely hot gas in the atmosphere above the Sun's south pole. This finding offers clues to the origin of the solar wind, a phenomenon that affects communications and power transmission lines on Earth.

## October

■ **Research** The Smithsonian Environmental Research Center provided instrumentation for nine new automated stations for the monitoring and sampling of stream discharges. This work is part of the center's Chesapeake Bay watershed study.

## October

■ **Public Program** The Smithsonian Environmental Research Center held its annual weekend sale of bird seed, bird feeders, natural history books, and T-shirts. Visitors also enjoyed hayrides, tours of the buildings, and hikes on nature trails.

## October

■ **Publication** Smithsonian Tropical Research Institute staff scientist D. Ross Robertson, in collaboration with Gerald R. Allen, published *Fishes of the Tropical Eastern Pacific*, the most comprehensive guide ever produced to the fish fauna of this region.

## October

■ **Teachers' Publication** *Beyond the Frame: Using Art for Interdisciplinary Learning*, a teachers' guide containing lessons on eight works of art from five Smithsonian art museums, was published by the Office of Elementary and Secondary Education. This publication was designed for middle school and high school educators and is the fifth publication in a series sponsored by Brother International Corporation.

## October

■ **Latino Outreach** Cooper-Hewitt, National Design Museum received a \$98,000 grant from the Smithsonian to support the Institution's efforts to increase its Latino audience and expand its coverage of Latino contributions to history, art, and science. The museum is using these funds to support educational programs, exhibition development, and the establishment of a Latino archive.

## October

■ **Publications and Products** In conjunction with the opening of the George Gustav Heye Center, the National Museum of the American Indian released books on each of the three inaugural exhibitions, a music recording on compact disc and cassette tape, a calendar, a postcard book, and T-shirts.

## October 1

■ **Visitor study** The Smithsonian Office of Institutional Studies began a one-year survey of visitors to the Arthur M. Sackler Gallery and Freer Gallery of Art. Information gained through a year of face-to-face interviewing of gallery visitors should provide helpful knowledge for the focusing of priorities in exhibitions, research, and public programming.

## October 1–April 7

■ **Internships** The new Museum Intern Partnership Program, sponsored by the Center for Museum Studies, offered a dual internship experience at the Smithsonian and a smaller, community-focused museum.

## October 1–2

■ **Special Event** The Friends of the National Zoo launched its first annual ZooArts Festival featuring the work of prominent Washington-area artists and photographers as well as local high school students and people from community groups.

## October 3

■ **Awards** The National Zoological Park won three major awards at the annual meeting of the American Zoo and Aquarium Association: the top Conservation Award for NZP's outstanding golden lion tamarin conservation program; the Edward H. Bean Award for Excellence in Conservation for collaborative work on behalf of the endangered tiger (shared with two other U.S. zoos); and a Significant Achievement award for breeding Matschie's tree kangaroo at the Zoo's Conservation and Research Center in Front Royal, Virginia.

## October 10

■ **Special Event** At a signing ceremony hosted by National Geographic Society President Gilbert M. Grosvenor, Nissan U.S.A.'s Vice-President of Brand and Consumer Marketing Jerry Florence presented a check for \$950,000 to Smithsonian Secretary I. Michael Heyman to become the national corporate sponsor of the Smithsonian Institution Traveling Exhibition Service–National Geographic Society exhibition, "Earth 2U, Exploring Geography." The exhibition, which opened in November at the National Geographic Society, introduces children and their families to the wonders and complexities of world geography.



#### October 10

■ **Public Program** Nobel Peace Prize recipient Archbishop Desmond Tutu addressed an audience of more than 2,000 Smithsonian Associates and the general public as part of an African American Studies Forum entitled "South Africa: After the Elections."

#### October 13

■ **Lecture** "Amusing the Emperor: Unique Discoveries from a Chinese Imperial Kiln," this year's John A. Pope Memorial Lecture at the Freer Gallery of Art, was delivered by Liu Xinyuan, director of the Jingdezhen Institute of Ceramic Archaeology in China.

#### October 14

■ **Major Gift** The National Museum of Natural History received one of the most significant contributions of jewelry and financial support in its history when Gilbert S. Kahn announced a new gift from his mother, Janet Annenberg Hooker. Mrs. Hooker's gift included a suite of rare fancy yellow starburst diamonds and \$2 million toward the creation of the museum's Hall of Geology, Gems, and Minerals, bringing her support for the new hall to a total of \$5 million. The complex will be named in honor of Mrs. Hooker.

#### October 15

■ **Honors** Glenn O. Tupper was the Smithsonian Benefactors' Circle Honoree and Lloyd G. Schermer was presented with the Joseph Henry Medal at the Smithsonian Benefactors' Circle recognition dinner.

#### October 18–December 18

■ **Lecture Series** Eight Nobel laureates in physics participated in an unprecedented lecture series sponsored by The Smithsonian Associates. The world-renowned physicists recounted their prizewinning work and discussed their current research.

#### October 19

■ **Educational Publication** The National Postal Museum published the *Elementary School Postal Pack*, an activity book and resource guide that integrates letter writing, postal history, and stamp collecting into language arts, history, geography, and math curriculums.

#### October 20–23

■ **Meeting** The Smithsonian Council, a group of 25 individuals active in a variety of fields and disciplines, met in Washington, D.C., to assess the Smithsonian's anthropological and cultural studies programs as well as programs of the Institution's conservation biology community and the Conservation Training Council.

#### October 20

■ **Lecture** The Smithsonian Accessibility Program presented "Behind the Desk: Accommodating Volunteers with Disabilities" to staff from the Smithsonian and Washington, D.C., cultural organizations. The program was one of 10 monthly lectures on museum accessibility for people with disabilities.

#### October 21

■ **Public program** A Southeast Asian Film Series sponsored by the Arthur M. Sackler Gallery opened with the Vietnamese film, "Abandoned Field," and went on to show four other seldom-screened classic films, including two directed by His Majesty Norodom Sihanouk of Cambodia.

#### October 24

■ **Major Gift** The Mashantucket Pequot Tribal Nation made a \$10 million contribution to the National Campaign for the National Museum of the American Indian, at the time the largest contribution to the Smithsonian in its 148-year history.

#### October 25

■ **Public program** The Bill and Mary Meyer Concert Series of six evenings of chamber music opened with the first of three appearances by Musicians from Marlboro. Other performers this year were The Shanghai Quartet, Pamela Frank, and the Takacs Quartet.

#### October 27

■ **Visit** Leszek Kuznicki, president of the Polish Academy of Sciences, visited the Smithsonian.

#### October 28–February 26

■ **Exhibition** "Free within Ourselves: African-American Art from the Museum's Collection" was on view at the National Museum of American Art. Nearly

200 works in all media by some 100 artists, drawn from the nation's most extensive public collection of African American art, illustrated the scope of the African American contribution to the visual arts. *Affirmation Today*, a 30-minute video produced in conjunction with the exhibition, highlighted the life and work of five African American artists.

#### October 28–May 12

■ **Education Program** The National Zoological Park and the Fairfax County Public Schools coproduced four "Science Safari" programs for elementary school students and an "Electronic Field Trip" for middle school students, both with related curriculum materials. The programs were broadcast to schools nationwide via satellite downlink or cable television.

#### October 30

■ **Opening** The George Gustav Heye Center of the National Museum of the American Indian opened with three inaugural exhibitions in New York City. More than 60,000 people visited the Heye Center during its first month, almost one and one-half times the number who had visited the museum in an entire year at its old location.

#### October 30

■ **Publicity Campaign** The Office of Public Affairs organized the publicity campaign for the opening of the New York facility of the National Museum of the American Indian. The opening began with a week of special previews for the media, donors, members, and other guests, culminating in a Native American blessing on the steps of the Custom House, the home of the museum. Media coverage was extensive, reaching millions of Americans through network television, national news magazines, and Native American publications.

#### October 30

■ **Awards** The first five recipients of the National Museum of the American Indian's Art and Cultural Achievement Award were announced. They were Allan Houser (Chiricahua Apache), posthumously; Oren R. Lyons (Onondaga); N. Jana Harcharek (Inupiat); Geronima Cruz Montoya (San Juan Pueblo); and Katherine Siva Saubel (Cahuilla).

#### October 30

■ **Publications** Smithsonian Institution University Press served as the principal publication partner at the inaugural opening of the National Museum of the American Indian exhibit in New York City, through publication of the award-winning exhibition catalogues, *Creation's Journey* and *All Roads Are Good*, both copublished with NMAI.

#### October 31

■ **New Office** Secretary I. Michael Heyman combined the offices of three assistant secretaries to establish the Office of the Provost and appointed former Assistant Secretary for the Sciences Robert Hoffmann as acting provost. The new office plans, coordinates, facilitates, and evaluates the Institution's activities in research, collections management, exhibitions, education, and cultural programs.

#### November

■ **Acquisition** The National Museum of African Art added three important objects to its collections. *Spoon*, a conceptually complex modern bronze sculpture, was created by Amir I.M. Nour (b. 1939), a contemporary sculptor who was born in the Republic of Sudan and has lived in the United States for most of his adult life. A superb and rare carved wooden face mask from the Lele peoples of Zaire is decorated with metal appliqué, beads, and cowrie shells. A carved wooden face mask, *Oloju-foforo*, attributed to Yoruba artist Bamgboshe of Osi-Ilorin, Nigeria (d. ca. 1920), will be featured in the 1995–96 exhibition "Three Explorations: Yoruba, Temne, and Baga."

#### November

■ **Video Release** The award-winning Office of Telecommunications film *In Open Air: A Portrait of the American Impressionists* was released as a home video available for sale in the Museum Shops and through mail order.

#### November

■ **Teachers' Program** Teachers' Night at the Smithsonian, sponsored and coordinated by the Office of Elementary and Secondary Education, brought more than 1,200 local teachers together with educators from more than 30 Smithsonian museums and offices to sample educational products and programs.

## November

■ *New Communication Facility* A satellite earth station was installed at the Smithsonian Tropical Research Institute's Tupper Center to establish more reliable communication between the Smithsonian Institution in Washington and STRI.

## November 3–January 29

■ *Exhibition and Programs* "Bruce Nauman," an internationally celebrated retrospective of this American artist (b. 1941), had its first East Coast showing at the Hirshhorn Museum and Sculpture Garden. Organized by the Walker Art Center in Minneapolis in association with the Hirshhorn, the exhibition of high-intensity sculpture, photographs, drawings, films, holograms, and installations spurred in-depth public programming.

## November 7–13

■ *Benefit Event* Visits to museums and private collections, private receptions and special dinners, and other activities filled the week in Laguna Beach, California, for an Archives of American Art fund-raiser. The week culminated in a gala evening honoring the 101-year-old artist Beatrice Wood.

## November 7–10

■ *Course* Twenty-one participants attended the specialist course "Conservation of Gilt Wood," organized at the Conservation Analytical Laboratory. The course is required for students in CAL's Furniture Conservation Training Program.

## November 14

■ *Consortium* The National Zoo's Conservation and Research Center, Environmental Systems Research Institute, Inc., and Hewlett-Packard Company formed The Conservation Technology Support Program, a consortium that will provide computer hardware, software, and training to nonprofit conservation organizations in the United States and abroad. This program will enable biologists to more effectively analyze the environmental impact of land and natural resource utilization.

## November 17

■ *Exhibition* "Directions—Gary Simmons" opened at the Hirshhorn Museum and Sculpture Garden, featur-

ing cartoon-derived chalk images on 10 panels and a 10-by-37-foot gallery wall created by this New York-based artist (b. 1964). Providing subtle commentary on stereotypes of African Americans, the blackboard-like drawings showed images and objects gleaned mostly from race-specific cartoons of the 1930s and 1940s.

## November 17

■ *Benefit Event* The Archives of American Art hosted a gala event for 280 guests honoring Agnes Gund, chairman of the board of trustees of the Museum of Modern Art.

## November 18

■ *Family Program* The staff and children of the Embassy of Italy hosted a group of Resident Associate families in celebration of International Children's Day. The Italian actor Carlo Cicala delighted participants with folktales, original stories, and a group sing-along.

## November 19–20

■ *Special Event* In celebration of the opening of the George Gustav Heye Center, the National Museum of the American Indian Powwow was held at the Jacob K. Javits Center in New York City.

## November 20

■ *Exhibition* "In Search of Common Ground: Potomac Gardens, A Community of Senior Citizens," an exhibition focusing on senior residents of a housing complex in southeast Washington, D.C., opened at the Anacostia Museum. The exhibition explored the effects of migration from rural to urban and public housing environments. It was cosponsored and funded by the D.C. Community Humanities Council and the National Endowment for the Humanities.

## November 20

■ *Exhibition opening* "A Basketmaker in Rural Japan" at the Arthur M. Sackler Gallery celebrated the life's work of Hiroshima Kazuo, the last professional itinerant basketmaker in Hinokage, an agricultural region of southern Japan. Most of the works on view were loaned by the Department of Anthropology, National Museum of Natural History.

November 28

■ *Exhibition* "Best Wishes: Holiday Greetings from the White House," a temporary exhibition at the National Postal Museum, displayed White House Christmas cards from the Eisenhower administration to the present.

December

■ *Latino Outreach* The Office of Public Affairs ran the first of five advertising campaigns for the year in three local Latino newspapers. OPA staff wrote the text in Spanish. The campaigns were geared toward the Christmas holidays, springtime events, the Festival of American Folklife, summer events near the time of the Latin American festival held in Washington, D.C., and Hispanic Heritage Month.

December

■ *Research* Smithsonian Astrophysical Observatory scientists and their colleagues completed the most accurate test yet of a prediction of Albert Einstein's theory of general relativity.

December 2

■ *Benefit Event* Archives of American Art members were invited to the opening gala of ART 94 Los Angeles, the International Contemporary Art Fair. Proceeds from the evening benefited the Archives.

December 2–May 29

■ *Exhibition* "Federal Profiles: Saint-Mémin in America, 1793–1814" was on view at the National Portrait Gallery. French émigré Charles Balthazar Julien Févret de Saint-Mémin spent 20 years in the United States creating distinctive profile likenesses of the citizens and French émigrés of the new nation. More than 200 of his miniature engravings and drawings were displayed. The accompanying catalog, *Saint-Mémin and the Neoclassical Profile Portrait in America*, by Ellen G. Miles, curator of painting and sculpture at the Portrait Gallery, is a Barra Foundation book published by the gallery in association with the Smithsonian Institution Press. It was selected as best illustrated book in the Washington Book Publishers' annual Design and Effectiveness Competition and also won second prize for books in the Museum

Publications Design Competition sponsored by the American Association of Museums.

December 5–9

■ *Workshop* The Center for Museum Studies Workshop Series began with "Introduction to Public Programming." Three more workshops in basic museum operations were offered during the year.

December 6

■ *Award* The New York Chapter of the Industrial Designers of America awarded Cooper-Hewitt, National Design Museum Director Dianne H. Pilgrim and Assistant Director for Public Programs Susan Yelavich the society's Bronze Apple Award for support, use, and encouragement of good design.

December 7

■ *Appreciation Event* The Visitor Information and Associates' Reception Center hosted the annual appreciation event for volunteer information specialists, with remarks by Secretary I. Michael Heyman.

December 9

■ *Awards* The 1994 National Air and Space Museum Trophy awards were presented to Michael H. Carr for lifetime achievement and to Patty Wagstaff for current achievement.

December 9–February 19

■ *Exhibition* Recent proposals by Western and Russian artists for concepts to transform Moscow into a showplace of post-totalitarian art were the focus of "Monumental Propaganda," an exhibition produced by the International Gallery in the Office of the Provost. "Collaborating with History," an introductory video produced for the exhibition, raised additional questions about the past and future of commemorative monuments in the former Soviet Union.

December 13–March 13

■ *Exhibition* "Katharine Kuh: Interpreting the New" was on view in the Archives of American Art's New York Regional Center exhibition gallery. As an art histo-

rian, curator, gallery owner, and critic, Kuh championed the cause of modernism throughout her life.

#### *December 18*

■ *Special Event* Three hundred fifty donors attended an afternoon holiday reception hosted in the Castle by Secretary I. Michael Heyman and his wife, Therese Heyman.

#### *December 24*

■ *Exhibition opening* "Paintings from Shiraz," an exhibition selected from the Arthur M. Sackler Gallery's Vever Collection of Islamic Arts of the Book featured works from Shiraz, the city in southwestern Iran that was one of the great centers of Persian painting in the 14<sup>th</sup> through 16<sup>th</sup> century.

#### *January–March, April–October*

■ *Exhibition* "Workers at the White House" was on exhibit at the Carter Presidential Library in Atlanta, Georgia, and at the Reagan Library in Simi Valley, California. The exhibition was produced by the Center for Folklife Programs and Cultural Studies in cooperation with the White House Historical Association and the National Archives.

#### *January*

■ *Education Program* The National Museum of African Art launched an ongoing series for young audiences called "Let's Read about Africa." The weekend programs introduce young visitors to African culture, visual traditions, and the joy of reading.

#### *January*

■ *New Research Facility* The Solar Radiation Group of the Smithsonian Environmental Research Center moved into a newly completed laboratory addition at the center's main facility near Edgewater, Maryland. This group focuses on the measurement of solar radiation, especially ultraviolet radiation, and on the effects of this radiation on living things.

#### *January*

■ *Grant* The Smithsonian Institution Libraries was awarded \$197,250 from the Getty Grant Program to fund an online index and finding guide to the literature of African art and culture. The index is being developed

for access on the Internet as part of the Libraries' online catalog. Responding to the public's growing interest in non-Western art, the index of 52,000 citations was created by Libraries staff to identify source materials in this expanding field.

#### *January*

■ *Research* A submillimeter telescope developed by a consortium of research institutes including the Smithsonian Astrophysical Observatory was installed and operated at the South Pole to study giant molecular clouds in the Milky Way.

#### *January*

■ *Curriculum Development* The National Science Resources Center began nationally field-testing the preliminary edition of *Animal Studies*, a fourth-grade unit in the Science and Technology for Children hands-on science curriculum program.

#### *January*

■ *Electronic Outreach* The Smithsonian Institution Libraries online catalog became available on the Internet at [telnet://sirir.si.edu](mailto:telnet://sirir.si.edu).

#### *January*

■ *Radio Series* *Jazz Smithsonian*, hosted by Lena Horne, began its third season on the air. It is being broadcast by Radio Smithsonian on a record 185 radio stations.

#### *January*

■ *Exhibition* The Smithsonian Institution Traveling Exhibition Service's small-format, free-standing version of "Saynday was coming along . . . Silverhorn's Drawings of the Kiowa Trickster" opened at the Kiowa Tribal Museum in Carnegie, Oklahoma. Organized with the National Museum of Natural History in collaboration with and with participation from the Kiowa community, "Saynday" will travel to Native American centers and small exhibit centers during the next three years.

#### *January*

■ *Teachers' Publication* *Art to Zoo*, the quarterly teaching guide for elementary and middle schools published by the Office of Elementary and Secondary Education, adopted a new design, editorial, and distribution strategy.

## *January*

■ *Exhibition* "Women in Action: Rebels and Reformers, 1920–1980" opened at the National Museum of American History. The exhibition was sponsored by the League of Women Voters to celebrate the 75th anniversary of woman suffrage.

## *January 1*

■ *Name Change* The Office of Museum Programs changed its name to the Center for Museum Studies. The new name more accurately reflects the mission and work of the office and better accommodates efforts to establish networks with college and university museum studies programs.

## *January 7*

■ *New Facility* The Visitors Center of the Smithsonian's Whipple Observatory in Arizona officially opened to the public, presenting exhibits on astronomy, natural science, cultural history (and Smithsonian history), and the environment.

## *January 12*

■ *Research* Smithsonian Astrophysical Observatory scientists and their colleagues found by far the best evidence for the existence of massive black holes. The discovery was based on radio observations of swirling gas orbiting a very dense concentration of material with the mass of about 40 million Suns.

## *January 16*

■ *Lecture* The Office of the Provost sponsored the annual Martin Luther King Jr. Lecture with keynote speaker Harold Hongju Koh, professor of international law and director of the Orville Schell Jr. Center for International Human Rights at the Yale University Law School. His lecture was titled "Aliens in our 'Beloved Community'."

## *January 20*

■ *Award Ceremony* The Slovak Academy of Sciences presented the Aurel Stodola Golden Plaque to Slovak-American physicist Igor Bazovsky in a ceremony at the Smithsonian.

## *January 23*

■ *Radio Advertising Campaign* The first radio advertisement ran in the Office of Public Affairs' Black History Month campaign, one of three annual radio advertising campaigns aimed at local African American audiences, ages 25 to 45. OPA prepared the ad copy, and three local radio stations—WKYS, WPGC, and WHUR—produced the ads. The other campaigns were geared to spring school-break activities and to summer Festival of American Folklife events at the Smithsonian.

## *January 24*

■ *Members' Event* Contributing Members attended a private viewing of the exhibition "Contemporary Crafts and the Saxe Collection" at the Renwick Gallery of the National Museum of American Art.

## *January 28*

■ *Conference* Prominent musicians and promoters who helped shape the local contemporary musical scene discussed the history of Latin music in Washington, D.C., at a conference sponsored by the Anacostia Museum.

## *January 28–February 13*

■ *Study Tour* For the first time, Smithsonian Associates journeyed to Vietnam and Cambodia on two international study tours sponsored by The Smithsonian Associates.

## *January 30–February 18*

■ *Tour* The Archives of American Art sponsored an exploration of extraordinary architectural and artistic sights, "Temple-Mountains and Dragon Kings." Touring on land and sea, this adventure began in Bangkok and continued to Cambodia, Vietnam, and Hong Kong. Archives Trustee Council member Dr. Helen Jessup was the guest lecturer.

## *February–September*

■ *Exhibition* "Virgil Whyte 'All-Girl' Band," a display of photographs, documents, and artifacts, was on view at the National Museum of American History. The exhibition showed how a touring U.S.O. band promoted equal job opportunity for women during World War II because the band's director, Virgil Whyte, demanded that his female musicians receive union pay equal to that of male musicians of comparable skills.

#### *February 1–4*

■ **Public Program** John Singleton, director of the acclaimed *Boyz 'n the Hood*, was among the participants at the conference “100 Years of Black Film: Imaging African American Life, History, and Culture” at the National Museum of American History.

#### *February 6–9*

■ **Course** “Exhibit, Storage, and Handling of Furniture Collections,” a preservation-oriented specialist course for caretakers of furniture collections, was organized at the Conservation Analytical Laboratory.

#### *February 8*

■ **Television Broadcast** Millions of early-morning television viewers had a good look at the National Museum of American History when it was the site of a special broadcast of *Good Morning America* on ABC.

#### *February 10–November 19*

■ **Exhibition** “Majestic in His Wrath: The Life of Frederick Douglass,” coorganized with the National Park Service, was on view at the National Portrait Gallery. Commemorating the 100th anniversary of civil rights crusader Douglass’ death, this exhibition evoked his life and legacy. The accompanying catalog, *Majestic in His Wrath: A Pictorial Life of Frederick Douglass*, by Portrait Gallery historian Frederick S. Voss, received the Blue Pencil Award from the National Association of Government Communicators.

#### *February 10*

■ **Public Program** In a Cultures in Motion program at the National Portrait Gallery entitled “The Painted Gourd: Red and Black Voices,” Penny Gamble Williams (Wampanoag/Chappaquiddick), ZSun-nee Matema (Choctaw/African), and Victoria Price (Cherokee/African) shared stories, histories, drama, and music from their mixed Native American and African American heritage of the Southeast.

#### *February 13*

■ **Exhibition** First Lady Hillary Rodham Clinton addressed students, teachers, and several White House workers at Shaed Elementary School in northeast Washington, D.C., in conjunction with the opening of the exhibition “Workers at the White House” at the school.

The exhibition was produced by the Center for Folklife Programs and Cultural Studies in cooperation with the White House Historical Association and the National Archives.

#### *February 15*

■ **Exhibition** “Asbestos: Promise, Problems, Panic, Prudence” opened at the National Museum of American History as part of the museum’s “History in the News” series.

#### *February 17*

■ **Exhibition** “Impressions of Another Land,” an exhibition of children’s art, opened in the National Zoo’s Education Building. The artists, fourth graders from Sydney, Australia, and Chevy Chase, Maryland, drew a remarkable series of pictures of Australian animals—the Sydney students from firsthand experience, the Marylanders from photographs and videotapes.

#### *February 23*

■ **Television Broadcast** *Workers at the White House* aired on Washington public television station WETA as part of the commemoration of Black History Month. The video was produced by the Center for Folklife Programs and Cultural Studies in cooperation with the White House Historical Association and the National Archives.

#### *February 28–March 1*

■ **Conference** The National Science Resources Center and the Academia de la Investigación Científica, the Mexican counterpart of the National Academy of Sciences, cosponsored Mexico’s first Forum on Science Education. The 75 participants, including corporate executives and educators, explored how business and industry in Mexico could become involved in science education reform.

#### *March*

■ **Visit** South African Minister of Arts, Culture, Science, and Technology Baldwin Ngubane visited the Smithsonian.

#### *March*

■ **Exhibition** “Full Deck Art Quilts” opened at the Renwick Gallery of the National Museum of American Art. Developed by Maryland-based artist Sue Pierce and

the Smithsonian Institution Traveling Exhibition Service, this exhibition features 54 dramatically colored quilts inspired by playing-card images. The exhibition is traveling to 11 locations across the country, including regional art centers, university galleries, and art museums.

### *March*

■ *Fellowships* At the Smithsonian Tropical Research Institute, Ulrich Mueller, a researcher from Cornell University, was selected as the first Earl S. Tupper three-year postdoctoral fellow; he will conduct research on "The Evolution and Ecology of the Attine-Fungus Symbiosis." Eloisa Lasso, a senior botany student at the University of Panama, was the first recipient of the Alan P. Smith Fellowship.

### *March*

■ *Visitor Survey* The National Museum of Natural History completed a comprehensive visitor survey, devoting one year to interviewing nearly 5,000 visitors. The survey revealed that nearly half of visitors come to the museum with children, many are visiting the museum for the first time, and most have a relatively focused goal for their visit. The results will help the museum develop the most effective and popular exhibitions and public programs.

### *March*

■ *Exhibition* "Spiders!"—organized by the National Museum of Natural History and circulated by the Smithsonian Institution Traveling Exhibition Service—began its national tour at the American Museum of Natural History in New York City. Funded by Marvel Entertainment, "Spiders!" will travel to nine more science and natural history museums through 1997, including the Bishop Museum in Honolulu, the Royal Ontario Museum in Toronto, and the Field Museum of Natural History in Chicago.

### *March*

■ *New Construction* Construction of a new 10,460-square-foot office building was begun at the Smithsonian Environmental Research Center. The new building will house the administrative and education program staffs as well as the center's central computer facilities.

### *March*

■ *Special Event* In a ceremony at the National Museum of American History, Hillary Rodham Clinton presented the gown she wore to inaugural balls in 1993 to the First Ladies Collection. The gown is on exhibit in the "Ceremonial Court," which displays many artifacts belonging to past presidents and first families and recreates architectural details of the 1902 White House.

### *March 6*

■ *Benefit Event* The Detroit Council of the Archives of American Art presented "Celestial Sorcery," its annual benefit ball, at the Renaissance Club in Detroit.

### *March 8*

■ *Awards Program* The National Science Resources Center cohosted a program for secondary school teachers who received the Presidential Awards for Excellence in Science and Mathematics Teaching.

### *March 9*

■ *Tour* The Archives of American Art New York Committee visited the studio and home of the renowned sculptor Donald Judd. William Agee, professor of art history at Hunter College and chairman of the Archives' New York Advisory Committee, lectured on Judd's private collection, which shows the evolution of his work and displays the work of artists he admired.

### *March 12-14*

■ *Conference* Smithsonian scholars from many disciplines held a three-day conference, "What About Increase? The First Science and Humanities Dialogue." The event was supported by the Office of the Provost. Focusing on the history and contributions of Smithsonian researchers, the meeting brought together scholars from the sciences and humanities for the first time in many years and fostered a spirit of community, shared goals, and cooperative endeavor.

### *March 15*

■ *Publication Award* Smithsonian Institution University Press's publication *Eakins and the Photograph: Works by Thomas Eakins and His Circle in the Collection of the Pennsylvania Academy of the Fine Arts*, by Suan Danly and Cheryl Liebold, was selected as the winner of the



George Wittenborn Memorial Award, given annually by the Art Libraries Society of North America.

#### *March 15*

■ **Exhibition** “Directions—Cindy Sherman: Film Stills” opened at the Hirshhorn Museum and Sculpture Garden, marking the first complete showing of a formative series for this artist (b. 1954), who is known for her evocatively staged, self-posed photographs. The exhibition inspired programs, including a film-noir festival, a high school photography project and exhibition, a lecture, and a “Young at Art” photo-collage workshop.

#### *March 16*

■ **Dedication** The Smithsonian Tropical Research Institute dedicated its library to Earl S. Tupper on the opening of the new annex and the expansion of the original library building, which were made possible by a gift from the Tupper family. The STRI branch of the Smithsonian Institution Libraries has been the premier Central American research library for the scientific community since 1956. The renovated facilities will help staff serve the 18,000 library users who come each year.

#### *March 17*

■ **Special Event** To promote understanding of the size and scope of the Smithsonian, the Visitor Information and Associates’ Reception Center cohosted a reception with the Washington Area Concierge Association for leading international concierges who were in the city to attend the annual meeting of Les Clefs d’Or.

#### *March 18–19*

■ **Public Program and Exhibition** The National Museum of American History presented “What’s American about American Quilts?”—a conference examining aspects of American and European quilting traditions. The forum was produced with support from the American Quilt Defense Fund. On March 14, the museum opened the exhibition “Putting Her Best Quilt Forward: Exhibiting at the Fair,” which focused on how 19th-century fairs gave women quilters an opportunity to display their talents and gather new ideas.

#### *March 22*

■ **Public Program** The National Air and Space Museum’s most prestigious space lecture, the Wernher von Braun Memorial Lecture, was presented by Dr.

John H. Gibbons, assistant to the president for science and technology and director of the White House Office of Science and Technology Policy.

#### *March 23–26*

■ **Outreach** At the National Science Teachers Association’s annual convention in Philadelphia, the National Science Resources Center exhibited its programs, made presentations, and gave workshops on its Science and Technology for Children curriculum units.

#### *March 23*

■ **Milestone** Jomu, one of the world’s first cheetahs produced by artificial insemination, became part of the National Zoo’s Cheetah Conservation Station. The 21-month-old female is a product of new research in assisted reproduction of endangered cats conducted at the Caldwell Zoo in Tyler, Texas, by staff from the Zoo’s New Opportunities in Animal Health Sciences Center.

#### *March 24*

■ **Major Gift** Agnes Bourne, a San Francisco-based furniture and interior designer, and her husband Dr. James Luebbers sold their century-old landmark mansion, Stonehouse, and donated \$2 million of the proceeds to Cooper-Hewitt, National Design Museum for the museum’s renovation and accessibility project.

#### *March 24*

■ **Exhibition** “The Human Figure Interpreted: Modern Sculpture from the Hirshhorn Museum” opened at the Taipei Fine Arts Museum in Taiwan, launching a tour that included museums in Orsu, Tokyo, Iwaki, and Takamatsu, Japan. The largest presentation of sculpture from the Hirshhorn ever sent overseas, the exhibition featured some 60 works by Edgar Degas, Henri Matisse, Alexander Archipenko, Alberto Giacometti, Henry Moore, Marino Marini, and—in Japan only, where the tour was supported by Tokyo’s Yomiuri Shimbun newspaper chain—Auguste Rodin and Jacques Lipchitz.

#### *March 25–April 7*

■ **Study Tour** Smithsonian Associates traveled to Syria for the first time on an international study tour sponsored by The Smithsonian Associates, visiting the classical archaeological sites of Palmyra and Apamea.

## March 25

■ **Festival** The largest crowd ever—estimated at more than 15,000 people—attended The Smithsonian Associates' 29th annual Kite Festival on the Washington Monument grounds. Kite flyers from all over the world entered the handmade-kite flying contest, and the sky was filled with stunning kite displays provided by contestants and various kite organizations.

## March 26

■ **Public program** "A Discussion with Hiroshima Kazuo," whose work was featured in the exhibition "A Basketmaker in Rural Japan" at the Arthur M. Sackler Gallery drew members of the public whose interest had been piqued by Mr. Hiroshima's remarkable repertoire of utilitarian baskets.

## March 27

■ **News Conference** The Office of Public Affairs organized a news conference to launch the planning and commemoration of the Smithsonian's 150th anniversary in 1996. Secretary I. Michael Heyman described the Institution's plans for the celebration, from the big event on the National Mall to the once-in-a-lifetime traveling exhibition of treasures from the collections.

## March 31

■ **Facility Design** The design of the National Museum of the American Indian's Cultural Resources Center in Suitland, Maryland, was completed by the award-winning architectural firm of Polshek and Partners of New York City, working with Metcalf Tobey Davis of Reston, Virginia, in association with the Native American Design Collaborative.

## Spring

■ **Awards** Cooper-Hewitt, National Design Museum received awards from the Art Director's Club and the Type Director's Club for the museum's new graphic identity program.

## Spring

■ **Publication** *National Museum of American Art*, which invites readers to explore a wide range of the museum's collections, was published by the museum in collaboration with Bullfinch. Featuring 450 full-color illustrations, the book is organized thematically to re-

flect the variety of concerns and aesthetic visions that have shaped American art over the past three centuries. It was the Smithsonian's annual gift to almost 80,000 Contributing Members.

## April

■ **Exhibition** A small-format, free-standing version was developed of the popular National Museum of American History-Smithsonian Institution Traveling Exhibition Service exhibition "Beyond Category: The Musical Genius of Duke Ellington." Two copies of this version, a collaboration between SITES and the American Library Association, opened simultaneously at the Carnegie Library of Pittsburgh and the Providence, Rhode Island, Public Library. SITES also prepared a third copy, which opened at the Broward County Main Library in Fort Lauderdale, Florida. The original exhibition was on view in California at the San Francisco and Monterey Jazz Festivals during the summer of 1995. "Beyond Category" is part of the program America's Jazz Heritage: A Partnership of the Lila Wallace-Reader's Digest Fund and the Smithsonian Institution.

## April

■ **Exhibitions** The National Air and Space Museum opened two World War II-related exhibitions: "Building the Arsenal of Democracy: World War II Photographs from the National Air and Space Museum Archives" and "Hellcat."

## April

■ **New Laboratory** The National Zoo's Department of Zoological Research established a biovisualization laboratory. Orchestrated by Dr. Alfred Rosenberger, this state-of-the-art computerized system incorporates digitized 3-D imaging and animation. These tools will allow scientists to display and study biological and cultural artifacts, such as animal skulls, in three-dimensional digital form with a high degree of accuracy.

## April

■ **Research** The Smithsonian Environmental Research Center initiated seasonal sampling of 100 tributaries of the Rappahannock and Shenandoah Rivers in Virginia for concentrations of nutrients. The sampling was part of the center's overall study of the Chesapeake Bay watershed.

## *April*

■ **Publication** The Smithsonian Astrophysical Observatory published *Space for Women*, a 20-page booklet encouraging young women to pursue careers in astronomy.

## *April*

■ **Electronic Outreach** With the introduction of its World Wide Web home page, the National Museum of American Art expanded its effort to offer Internet resources. The home page joined the museum's Gopher site, which premiered in January. Offerings on the award-winning World Wide Web site include an electronic tour of the "White House Collection of American Crafts" exhibition and pages devoted to each of the museum's special exhibitions.

## *April*

■ **Collections** The move of more than 45,000 objects from the old location of the National Museum of the American Indian in New York City to the Research Branch in the Bronx, New York, began.

## *April*

■ **Conference** The Fourth International Conference on Space Tether Systems was held at the Smithsonian with the joint sponsorship of the Smithsonian Astrophysical Observatory, the National Aeronautics and Space Administration, and the Italian Space Agency.

## *April*

■ **New Membership Program** The Center for Folklife Programs and Cultural Studies initiated Friends of the Festival, a group that will develop programs in support of the Festival of American Folklife.

## *April*

■ **Exhibition Videos** The Office of Telecommunications completed six videos for the new "Exploring Marine Ecosystems" exhibition at the National Museum of Natural History, giving visitors a close-up look at the workings of various marine habitats.

## *April*

■ **Curriculum Development** The National Science Resources Center began nationally field-testing the preliminary editions of *Solids and Liquids* and *Comparing and*

*Measuring*, two first-grade units in the Science and Technology for Children hands-on science curriculum program.

## *April 1*

■ **Exhibition opening** "On the River" opened at the Freer Gallery of Art with a selection of 27 Chinese handscrolls, album leaves, hanging scrolls, and fans from the 13th through 19th century depicting life along China's waterways.

## *April 3*

■ **Agreement** The Smithsonian Institution and Lancit Media Productions Ltd. signed an agreement to jointly develop a major television series for children ages 8 to 12 based on Smithsonian resources.

## *April 4–July 14*

■ **Exhibition** "Giorgio Cavallon: A Signal Luminosity" was presented at the Archives of American Art New York Regional Center Gallery. Cavallon was an Italian-born American artist who showed in New York with the early abstract expressionists such as Jackson Pollock and Willem de Kooning. The show highlighted his quiet career of hard work and reticence in the face of the explosive art world of his day.

## *April 5*

■ **Lecture** The 1995 Rutherford J. Gettens Memorial Lecture on technical studies of art was delivered by Noel Barnard, professor emeritus of East Asian art history at the Australian National University. His topic was "Centrifugal and Centripetal Aspects of the Development of Metallurgy in China."

## *April 6–8*

■ **Meeting** The Smithsonian National Board held its spring meeting in Seattle, Washington.

## *April 7–August 13*

■ **Exhibition** "In Pursuit of the Butterfly: Portraits of James McNeill Whistler" was on view at the National Portrait Gallery. The more than 80 works in the exhibition showed aspects of Whistler's public and private lives, from his student days in Paris to his last years in turn-of-the-century London.

April 7

■ *Lecture Series* "First Fridays: Gallery Talks," featuring informal talks by staff, was inaugurated by the Education Division of the Hirshhorn Museum and Sculpture Garden with Associate Curator Phyllis Rosenzweig's discussion of Louise Bourgeois's 1947–49 sculpture *The Blind Leading the Blind*.

April 12

■ *Benefit Event* Cooper-Hewitt, National Design Museum hosted its second annual benefit auction at Christie's. More than 500 guests attended the event, which raised over \$130,000 for the museum's general operating expenses.

April 12

■ *Artist Talk* The Hirshhorn Museum and Sculpture Garden continued its "Collection Reviewed" series of artist's talks, sponsored by the Smithsonian's Special Exhibition Fund, with a presentation by African American artist Robert Colescott of New Mexico. On May 17, Julião Sarmento of Lisbon, Portugal, continued the series with an appearance that received additional support from the Luso-American Development Foundation.

April 15

■ *Fellowships* The Office of Fellowships and Grants offered 66 awards under the Smithsonian Fellowship Program. Twenty-one percent of the awards went to people from underrepresented groups.

April 20

■ *Research* An experiment developed by a Smithsonian Astrophysical Observatory scientist and European colleagues to map ozone levels in Earth's upper atmosphere was launched aboard the European Remote Sensing Satellite.

April 22

■ *Exhibition* "Ocean Planet," which celebrates the spectacular biological diversity of the oceans and examines the human impact on them, opened at the National Museum of Natural History on Earth Day. The \$4.1 million, 7,500-square-foot exhibition was made possible by a unique combination of foundation and corporate supporters, including the National Science Foundation, Times Mirror Magazines, Inc., and The Pew Charitable Trusts. The exhibition was organized by the museum

and the Smithsonian's Environmental Awareness Program and will be circulated nationally through 1999 by the Smithsonian Institution Traveling Exhibition Service.

April 22

■ *Special event* Among the works of art selected for purchase at their annual dinner, the Friends of Asian Arts at the Freer and Sackler Galleries chose the rare *Portrait of Yamamoto Kansuke*, a hanging scroll by Gion Seitoku (1781–1829?) for addition to the collection of the Freer Gallery of Art.

April 23

■ *Workshop* The National Science Resources Center conducted two science education workshops for more than 200 participants at the 123rd annual meeting of the National Academy of Sciences.

April 24

■ *Endowment* The Vincent Wilkinson Endowment was established in the Center for Museum Studies by Mr. and Mrs. Anthony Welters. The fund, named in honor of Mrs. Welters' father, supports African American undergraduates in the center's Museum Intern Partnership Program.

April 26

■ *Appreciation Event* The Visitor Information and Associates' Reception Center hosted the annual appreciation event for behind-the-scenes volunteers.

April 27–30

■ *Craft Show* Fifteen thousand visitors saw displays of 120 exhibitors at the Smithsonian Craft Show, held in the National Building Museum. This annual event is sponsored by the Smithsonian Women's Committee.

April 28–September 4

■ *Exhibition and Electronic Outreach* The "White House Collection of American Crafts" exhibition and its complementary Internet tour (<http://www.nmaa.si.edu/whc/americancrafts>) showcased 72 examples of contemporary craft by some of America's most innovative artists in glass, ceramics, wood, metal, and fiber. The works were originally assembled for display in the White House in recognition

of the Year of American Craft in 1993. First Lady Hillary Rodham Clinton introduced the exhibition to the press at the museum on April 25. As the exhibition tours American museums through mid-1997, the regularly updated Internet tour invites electronic "visitors" to see the objects in the White House and visit the artists in their studios. The electronic tour was made possible by a gift from MCI.

#### *April 28*

■ **Public Program** More than 300 middle school and high school students from 18 public schools in the Washington, D.C., area participated in a showcase of poetry, song, and dance during the Smithsonian's Fourth Annual Duke Ellington Youth Festival at the National Museum of American History. The students also displayed original works of art based on themes in Ellington's life and work in a temporary exhibition presented in conjunction with the festival.

#### *April 29*

■ **Symposium** The Arthur M. Sackler Gallery held a one-day symposium, "Saints, Sufis, and Siddhas: Holy Men and Women in South Asian Art," exploring the broad significance of the holy personage in the artistic culture of South Asia. The symposium was generously funded by Mrs. Arthur M. Sackler.

#### *May*

■ **Visit** During her visit to the Smithsonian, Queen Sirikit of Thailand was guest of honor at a luncheon at the National Museum of American History and an evening reception at the National Museum of Natural History.

#### *May*

■ **Exhibition** The National Museum of African Art opened the traveling exhibition "Ancient Nubia: Egypt's Rival in Africa," which presented 300 artifacts that document the rise and fall of Nubian kingdoms from 3100 B.C. to A.D. 400. In conjunction with the exhibition, which was organized by the University of Pennsylvania Museum, the National Museum of African Art sponsored extensive programs for the public and teachers, including workshops, panel discussions, storytelling, and musical performances.

#### *May*

■ **Fellowship** Dr. Pedro E. Leon Azofeifa of the School of Medicine, University of Costa Rica, was awarded the

second George E. Burch Fellowship, administered by the Office of Fellowships and Grants.

#### *May*

■ **Exhibition** "VanDerZee, Photographer (1886–1983)," a National Portrait Gallery exhibition, began its national tour under the auspices of the Smithsonian Institution Traveling Exhibition Service at the African American Museum of Fine Arts in San Diego, California.

#### *May*

■ **Publication** The Freer Gallery of Art published *With Kindest Regards*, a volume of correspondence between James McNeill Whistler and Gallery founder Charles Lang Freer, edited by Linda Merrill, associate curator of American art.

#### *May 1*

■ **Internships** Thirty-three students were offered awards under the Summer Minority Internship Program administered by the Office of Fellowships and Grants. Thirteen were African American, ten were Latino, seven were Asian American, two were Native American, and one was physically challenged.

#### *May 3–6*

■ **Members' Event** Contributing Members enjoyed three and a half days of behind-the-scenes tours in the "Treasures of the Smithsonian" program.

#### *May 4*

■ **Tour and Reception** In celebration of the Archives of American Art's 40th anniversary, the Detroit Council sponsored an art tour and reception at Masco Corporation in Taylor, Michigan. Archives trustee Richard Manoogian and his wife, Jane Manoogian, hosted an evening of dining and tours of the Masco Corporate Art Collection and the Masco Home Furnishings Showroom.

#### *May 5*

■ **Conference** In coordination with the Office of the Provost, the Smithsonian Council of Museum Education Directors organized an Institution-wide conference on "Museums as Partners in School Reform." The conference provided an overview of Goals 2000: Educate America Act and the national guidelines for disciplinary standards for education. Participants also learned

about local, national, and Smithsonian examples of the museum community's involvement in school reform.

#### *May 6*

■ *Children's Program* Children with visual impairments were encouraged to experience works of art at the Hirshhorn Museum and Sculpture Garden in a "Young at Art" family workshop. During the year, eight "Young at Art" programs enthralled more than 160 six-to-eleven year olds and their parents.

#### *May 6*

■ *New Research Facility* A major field station for marine biological research in the Caribbean was opened in the Cayos Cochinos Biological Reserve by a consortium of private partners in Honduras and Switzerland, the Honduras Coral Reef Foundation, and a partnership of the Smithsonian Tropical Research Institute and the Honduran government.

#### *May 6-7*

■ *Conference* In conjunction with the Anacostia Museum's exhibition "Black Mosaic: Community, Race, and Ethnicity among Black Immigrants in Washington, D.C.," a two-day conference focused on Caribbean music in Washington. Promoters, performers, deejays, producers, and media personalities participated in panel discussions and musical demonstrations.

#### *May 7*

■ *Public program* Visitors of all ages to the Arthur M. Sackler Gallery had the opportunity to explore the biological, literary, musical, artistic, and even culinary associations of bamboo during the first "Spirit of Bamboo" family day. The program, presented during the exhibition "A Basketmaker in Rural Japan," was repeated three times during the month.

#### *May 7-II*

■ *Workshop* The National Science Resources Center and the New York City Urban Systemic Initiative co-sponsored a Science Education Leadership Institute for New York City public school teachers. More than 70 participants representing kindergarten through 12th grade attended the week-long institute.

#### *May 8*

■ *Electronic Outreach* The Office of Public Affairs helped open the Smithsonian's home page (<http://www.si.edu>), which instantly became one of the most popular sites on the World Wide Web. The ceremony to launch the site was held in the office of the Speaker of the House of Representatives. The opening demonstration included the online exhibitions "Ocean Planet" and "White House Collection of American Crafts"; services such as what to see in the museums and what to buy in the shops; information on everything from dinosaurs to sculptures; 3,000 images; and a sampling of recordings from the Smithsonian collection.

#### *May 8*

■ *Electronic Outreach* The Smithsonian Institution Traveling Exhibition Service entered cyberspace on the Smithsonian's World Wide Web home page, which makes available a list of SITES exhibitions currently traveling around the country.

#### *May 8*

■ *Electronic Outreach* The National Portrait Gallery launched its virtual museum as part of the Smithsonian's home page on the World Wide Web and the Smithsonian Online educational service on America Online. Previews of exhibitions, current events, highlights of the permanent collection, brochures, educational programs, and publications are available on both services. On the Fourth of July holiday, America Online featured an image of Rembrandt Peale's famous "Port-hole" portrait of George Washington; users downloaded the image nearly 1,400 times.

#### *May 8*

■ *Electronic Outreach* The National Museum of Natural History's home page made its debut on the World Wide Web. Museum information available to Internet users now includes the mission statement, the visitors' guide, the quarterly calendar of events, and an online version of the "Ocean Planet" exhibition. Information about each of the research departments and many specialized publications and collections is also provided.

#### *May 8*

■ *Symposium* The Smithsonian Corporate Membership Program hosted its annual luncheon program, "The

Power of Learning in an Enlightened Information Age," in the Castle Commons.

#### *May 8–12*

■ **Training** With the course "Conservation Administration," the students in the class of 1996 at the Conservation Analytical Laboratory's Furniture Conservation Training Program finished their three years of course work. They will graduate after completing one-year internships.

#### *May 9*

■ **Special Event** Members of Congress and the administration and their families visited the National Museum of Natural History during its first Open House Expedition. Adults and children followed special maps to locate nearly 50 stations throughout the museum where staff members displayed unusual objects from the museum's collections, described research projects, and answered questions from guests. The event was sponsored by Motorola.

#### *May 11*

■ **Public Program** The National Air and Space Museum's most prestigious aviation lecture, the Charles A. Lindbergh Memorial Lecture, was presented by World War II fighter pilot Quentin C. Aanenson.

#### *May 12*

■ **Exhibition** "Are We There Yet? Vacationing in America," an exhibition devoted to vacation postcards, opened at the National Postal Museum.

#### *May 14, 1995*

■ **Exhibition opening** "Whistler and Japan," featuring two of the best-known collections of the Freer Gallery of Art, was one of four exhibitions marking the work of the American expatriate artist James McNeill Whistler held in Washington, D.C., this year.

#### *May 17*

■ **Family Packages** The Office of Public Affairs released its Smithsonian Family Packages, a collection of useful information for adults who plan to visit the museums with children or young adults, updated for the summer of 1995. The free Family Package, issued in English and Spanish and intended for both news media and the pub-

lic, contains a guide to museums with exhibitions and activities popular among children and young adults, a Smithsonian quiz for kids, and 10 tips for visitors with children.

#### *May 18*

■ **Benefit Event** The Friends of the National Zoo's 12th annual fund-raising gala, ZooFari, featured food from 100 Washington-area restaurants and attracted thousands of guests. The proceeds supported National Zoo exhibition, education, conservation, and research programs.

#### *May 18*

■ **Public program** A performance of "Kakurenbo (hide and seek), a dance-drama created as part of the Asian Culture Project of The Model Secondary School for the Deaf was offered in the Meyer Auditorium of the Freer Gallery of Art. The project resulted from collaboration among The Model Secondary School for the Deaf, The Freer and Arthur M. Sackler galleries, and the Japan Information and Culture Center.

#### *May 19*

■ **Exhibition** A magnificent display of living marine plants and animals went on view in the National Museum of Natural History's new permanent exhibition "Exploring Marine Ecosystems." After entering through a simulated undersea kelp forest, visitors can view models of two of Earth's most fascinating natural communities: the rocky coast of Maine and a Caribbean coral reef. The new exhibition is the second segment of a three-phase rejuvenation of the museum's marine hall.

#### *May 23*

■ **Lecture** In commemoration of the 50th anniversary of Harry S. Truman's inauguration, Pulitzer Prize-winning biographer David McCullough addressed a capacity audience as The Smithsonian Associates paid tribute to the nation's 33rd president.

#### *May 24*

■ **Design Award** The Hirshhorn Museum plaza won a 1995 Federal Design Achievement Award. The renovation and landscaping project by James Urban Associates of Annapolis, Maryland, introduced trees, accessibility features, areas of lawn, and granite flooring to the plaza.

May 24

■ *Design Awards* Cooper-Hewitt, National Design Museum received seven 1995 Federal Design Achievement Awards for recent exhibitions and the publication *The Edge of the Millennium*.

May 25

■ *Milestone* The first breeding outside the wild of a Hawaiian honeycreeper was achieved at the National Zoo's Conservation and Research Center. Scientists at the center are using several nonendangered types of honeycreepers as research surrogates to develop husbandry and propagation techniques for Hawaii's highly endangered avian species.

May 26

■ *Special Event* To promote the Smithsonian as a primary United States travel destination for foreign visitors, the Visitor Information and Associates' Reception Center cohosted a reception for major international tour operators at the National Air and Space Museum with the Washington, D.C., Convention and Visitors Association.

May 26

■ *Exhibition* The Smithsonian Institution Libraries exhibition "Science and the Artist's Book," cosponsored by the Washington Project for the Arts, explored how scientific ideas can stimulate artistic creation. The year-long show, featured in the June 1995 *Smithsonian* magazine, displays original artists' books inspired by and displayed with pioneering scientific studies in the rare book collections of the Libraries' Dibner Library of the History of Science and Technology.

May 30

■ *Lecture* Roald Hoffmann, Cornell University's Nobel laureate in chemistry, poet, and author, delivered the Dibner Library Lecture, "Chemistry Imagined," which explored connections between science and art. The lecture was featured in conjunction with the opening of the Smithsonian Institution Libraries exhibition "Science and the Artist's Book."

May 31

■ *Major Gift and New Facility* The Jerome and Dorothy Lemelson Center for the Study of Invention and Innovation was established at the National Museum

of American History through a \$10.4 million gift from inventor Jerome Lemelson and his wife, Dorothy. Their cash donation is the largest ever given to the Smithsonian Institution by an individual.

Summer

■ *Teachers' Workshops* The National Museum of American Art hosted three week-long summer workshops for teachers from across the country, extending the use of the museum's education resource materials.

Summer

■ *Grant* The National Museum of American Art received a five-year grant to continue a New Media Learning Environment project in Nebraska that will facilitate offering museum art and information online to schools. A summer workshop focused on integrating art and technology. The museum is also working on an online pilot project involving Texas schools.

June

■ *New Membership Program* The National Air and Space Society was established as an individual membership program designed to raise capital funds for the building of the National Air and Space Museum's Dulles Center as well as to support the museum's restoration and preservation projects and educational programs. By the end of the fiscal year, the society had more than 2,000 contributing members.

June

■ *New Department* The National Museum of American Art established a development department and launched a quarterly members' newsletter to keep special constituents in closer touch with museum activities and behind-the-scenes information.

June

■ *Internships* Intern '95, sponsored by the Office of Elementary and Secondary Education, brought its 20th class of graduating high school seniors to Washington for career-related work experience in the museums.

June

■ *Electronic Republishing* The Smithsonian Institution Libraries launched an electronic republishing program with a pilot project funded by the Atherton Seidell En-



dowment. The full, searchable text of two volumes in the Smithsonian's Bureau of American Ethnology series of Native American anthropology studies will be available on the Libraries' World Wide Web site.

## June

■ *Professional Development* The Office of Elementary and Secondary Education coordinated 15 for-credit short courses for local teachers, ranging from "Insects in the Classroom" to "Using Museums to Teach Writing."

## June

■ *Exhibition* The Smithsonian Institution Traveling Exhibition Service donated "Contrasts/Contrastes: Forty Years of Continuity and Change in Puerto Rico," an exhibition of photographs by Jack Delano, to the Poncé Museum in Poncé, Puerto Rico. The donation coincided with Delano's gift of his collection to the museum. The event was celebrated with a variety of public programs.

## June

■ *Publication* Radio Smithsonian's *1996 Jazz Calendar* was published for distribution to listeners of the radio series *Jazz Smithsonian*, showcasing the Smithsonian's broad commitment to preserving and celebrating jazz.

## June

■ *Research Consortium* The headquarters of the Chesapeake Research Consortium moved to the Smithsonian Environmental Research Center. The consortium fosters research among its six members: the Smithsonian, Johns Hopkins University, the University of Maryland, the College of William and Mary, Old Dominion University, and the Philadelphia Academy of Science.

## June

■ *Promotional Initiative* The Visitor Information and Associates' Reception Center began providing information about Smithsonian exhibitions and activities to Digital Ink, the *Washington Post's* online service.

## June

■ *Research* A novel underwater videotape camera provided by the National Geographic Society was employed by a team of scientists led by the National Zoo's Dr. Daryl Boness to gather the first underwater images and data on harbor seal behavior. The team traveled to

Sable Island in the North Atlantic Ocean to attach cameras temporarily to the backs of the seals.

## June–July

■ *Publications* The Office of Public Affairs issued updated versions of two of its Institution-wide resource brochures: "Native American Resources at the Smithsonian" and "Latino Resources at the Smithsonian." These brochures encourage readers to participate in cultural activities at the Smithsonian and to take advantage of research, employment, internship, and fellowship opportunities. Funding for "Latino Resources" was provided by the James Smithson Society. Partial funding for "Native American Resources" was provided by the Phillips Petroleum Foundation, Inc.

## June–July

■ *Exhibition* The Center for Folklife Programs and Cultural Studies mounted an exhibition of the work of Cape Verdean photographer Ron Barboza in the International Center. The exhibition featured portraits of Cape Verdeans from most of the islands in the archipelago and from communities in Portugal and the United States, landscapes, and the work Cape Verdeans do that contributes to their own and many of the world's communities.

## June 1

■ *Tour* The Archives of American Art New York Committee visited the Hudson River Museum to view the highly acclaimed George Inness exhibition. Following the tour, participants were welcomed at the home of Archives trustee Frank Martucci and his wife, Katherine Martucci, for a tour of their collection, which includes works by Inness as well as by Russian, Israeli, and Italian contemporary artists.

## June 1

■ *Lecture* The National Postal Museum hosted "Marilyn Monroe: The Myth and the Message," a lecture by film critics and cinema scholars Molly Haskell and Andrew Sarris, held in conjunction with the issuance of the Marilyn Monroe stamp by the United States Postal Service.

## June 1

■ *Colloquium* The Freer Gallery of Art cosponsored a Whistler Scholars' Colloquium with the Centre for

Whistler Studies, University of Glasgow, and held at the Freer. The colloquium also marked the beginning of a collaborative project between the two organizations to publish all the letters written by James McNeill Whistler.

#### *June 2*

■ *Public Program* "Whistler and His World," a one-day segment of a three-day symposium on the life and art of James McNeill Whistler, was presented at the National Portrait Gallery in conjunction with the exhibition "In Pursuit of the Butterfly: Portraits of James McNeill Whistler." The symposium was jointly sponsored by the National Portrait Gallery, the National Gallery of Art, and the Freer Gallery of Art.

#### *June 3*

■ *Members' Event* Contributing Members had a special after-hours viewing of the exhibition "Ocean Planet" at the National Museum of Natural History.

#### *June 5*

■ *Milestone* Griff, the National Zoo's 13-year-old Masai giraffe, gave birth to a 114-pound female calf. The newborn stood 5 feet, 10 inches tall and took its first stumbling steps in just 28 minutes. Masai giraffes, although not endangered, are not common in North American zoos.

#### *June 8–9*

■ *Public Program* Cooper-Hewitt, National Design Museum presented "Les Journées des Artisans: A Celebration of Craftsmanship," a two-day festival featuring artisans from New York and France demonstrating traditional craft techniques in leather, stained glass, wrought iron, gold leaf, and other materials.

#### *June 8*

■ *Research* Ground was broken for the Smithsonian Astrophysical Observatory's pioneering array of six submillimeter radio telescopes at a site near the summit of Mauna Kea, Hawaii.

#### *June 9*

■ *Exhibition* "Flight Time Barbie: Dolls from the Popular Culture Collection of the National Air and Space Museum" opened in the museum's Flight and the Arts gallery.

#### *June 12*

■ *Public Program* The National Portrait Gallery presented "Friends of Frederick Douglass: Harriet Beecher Stowe," a Cultures in Motion lecture and discussion by Stowe's biographer Joan Hedrick on the phenomenal impact of Stowe's novel *Uncle Tom's Cabin*. The presentation was accompanied by a staged reading of scenes from *I Ain't Your Uncle*. Robert Alexander's recent play based on the novel.

#### *June 14–September 10*

■ *Exhibition* "Sean Scully: Twenty Years, 1976–1995" launched an international tour at the Hirshhorn Museum and Sculpture Garden, accompanied by a public dialogue by the artist and organizing curator Ned Rifkin, director of the High Museum of Art in Atlanta. Organized by that museum, where it traveled after closing in Washington, the retrospective charted the evocative abstract imagery of this Irish-born American artist (b. 1945) with more than 60 paintings and works on paper. From Atlanta, the exhibition traveled to Barcelona, Dublin, and Frankfurt.

#### *June 15*

■ *Exhibition* "World War II: Sharing Memories," which opened at the National Museum of American History, used wartime artifacts to evoke the memories of visitors, who were encouraged to write their thoughts in notebooks. Hundreds of people wrote firsthand accounts and reminiscences handed down by family members. Many of the notes were posted on a bulletin board inside the exhibition for other visitors to read.

#### *June 17*

■ *Exhibition and Education Programs* At the Anacostia Museum, students from the Lucy Ellen Moten Elementary School exhibited original writings, artwork, photographs, and artifacts reflecting the Anacostia community. This exhibition, which followed a series of history lessons and exhibition-related workshops, was developed through the museum's continuing partnership with the school. It was supported by the Smithsonian's Educational Outreach Fund with additional funding from the Freddie Mac Foundation.

#### *June 17*

■ *Festival* The Anacostia Museum held its annual day-long celebration of Juneteenth, the anniversary of the

emancipation of Texas slaves in 1865. The free festivities included music, games, demonstrations, food, and family activities on the museum grounds.

#### *June 19–30*

■ **Research Seminar** The Center for Museum Studies offered “Interpreting Latino Cultures: Research and Museums.” This 1995 Latino Graduate Training Seminar in Qualitative Methodology was cosponsored with the Inter-University Program for Latino Research and the University of Texas at Austin.

#### *June 20–July 11*

■ **Lecture and Concert Series** This year’s free summer lecture and concert series at Cooper-Hewitt, National Design Museum, “Crosscurrents,” focused on contemporary design and Latino culture.

#### *June 20*

■ **Symposium** The National Zoo’s Office of Public Affairs organized the symposium “Forever Changed: Birds on the Hawaiian Islands.” Smithsonian scientists discussed the history and conservation status of Hawaii’s remarkable bird population and the discovery of recently extinct birds that have provided DNA samples. As a result of these DNA analyses, scientists have begun to rethink the evolutionary relationships between Hawaiian avifauna.

#### *June 23–27, June 30–July 4*

■ **Festival** The Center for Folklife Programs and Cultural Studies produced the 29th annual Festival of American Folklife, featuring “The Cape Verdean Connection,” “The Czech Republic: Tradition and Transformation,” “Heartbeat: Voices of First Nations Women,” and “Russian Roots, American Branches: Music in Two Worlds.” The festival included a visit by the president of Cape Verde and salutations from President Clinton. Two Smithsonian/Folkways recordings, *Heartbeat: Voices of First Nations Women* and *Old Believers: Songs of the Nekrasov Cossacks*, were released at the festival’s opening. More than one million people visited the festival.

#### *June 24–25*

■ **Special Event** The Center for Folklife Programs and Cultural Studies presented the sacred and social music, traditional poetry, dance, food, and crafts of Washing-

ton-area African-born immigrants as part of the African Immigrant Folklife Study Project.

#### *June 24*

■ **Lecture** The Office of the Provost sponsored a lecture by Ana Maria Cabral, vice-president of the Amílcar Cabral Institute of the Republic of Cape Verde, West Africa. The address was delivered on the 20th anniversary of Cape Verdean independence and held in conjunction with the Festival of American Folklife.

#### *June 25–30 and July 23–28*

■ **Conferences** The National Science Resources Center conducted two Elementary Science Leadership Institutes for 36 teams from U.S. school districts and one team each from Mexico and South Africa. Most teams included a school superintendent or assistant superintendent, a science coordinator or director of curriculum and instruction, an experienced teacher, and a senior scientist representing a company or academic institution. The teams developed strategic plans to improve the teaching of science in their elementary schools.

#### *June 26–29*

■ **Workshop** The American Indian Museum Studies Program, part of the Center for Museum Studies, sponsored “Developing and Managing Living History Programs,” a workshop hosted in Tahlequah, Oklahoma, by the Cherokee National Museum.

#### *June 27–30*

■ **Public Program** As part of efforts to make its collections accessible to Native Americans on reservations and in communities around the country, the National Museum of the American Indian displayed 24 19th-century Navajo wearing blankets at the Ned A. Hatathli Museum of the Navajo Community College in Tsaile, Arizona.

#### *June 27*

■ **Media Preview** The Office of Public Affairs developed and carried out the media preview held before the opening of the “Enola Gay” exhibition at the National Air and Space Museum, which was covered intensely by U.S. and foreign news media. More than 200 journalists, including 85 television crews, attended the preview.

## June 28

■ **Exhibition** "Enola Gay," an exhibition about the Boeing B-29 Superfortress that dropped the first atomic bomb and hastened the end of World War II, opened at the National Air and Space Museum.

## June 29

■ **Promotional Initiative** The Visitor Information and Associates' Reception Center expanded its capacity to promote Smithsonian programs and initiatives with the installation of graphic message capability in the Smithsonian Information Center's twin theaters.

## June 30–October 29

■ **Exhibition** An in-depth survey of the daguerreotype in America was the subject of "Secrets of the Dark Chamber: The Art of the American Daguerreotype" at the National Museum of American Art. The exhibition catalogue was named best photography book of 1995 by the *New York Times Book Review*. The innovative installation featured fiber-optic lights individually illuminating each of the 150 daguerreotypes without glare in a darkened space.

## June 30

■ **Exhibition** "The Collection in Context: Thomas Eakins's Portrait of Frank Hamilton Cushing" opened at the Hirshhorn Museum and Sculpture Garden, exploring the context and creation of an American realist's portrayal of a Smithsonian ethnologist famed for his research at Zuni Pueblo. Preliminary studies from the Hirshhorn's collection accompanied the 1895 oil portrait, which was lent by the Thomas Gilcrease Institute of American History and Art in Tulsa, Oklahoma.

## July

■ **Research** The Smithsonian Environmental Research Center expanded its research on the introduction of exotic plants, animals, and microbes via ship ballast water. The new studies focus on the survival of these organisms in ballast tanks as ships travel from the port where they filled the tanks to the United States harbor where the ballast water will be released.

## July

■ **Professional Development** The Office of Elementary and Secondary Education conducted "Teaching and

Learning in a Diverse Society," a week-long program for 30 California teachers that culminated a two-year series of seminars about working with primary source material to teach from a multicultural perspective.

## July

■ **Exhibition** The National Museum of African Art opened the revised and refurbished exhibition "The Ancient West African City of Benin, A.D. 1300–1897," featuring the museum's collection from the royal court of the capital of the Kingdom of Benin as it existed before colonial rule. Most of the works were a gift from Joseph H. Hirshhorn to the Smithsonian Institution in 1966 and 1979; the objects were transferred to the National Museum of African Art in 1985 by the Hirshhorn Museum and Sculpture Garden.

## July

■ **Professional Development** The Office of Elementary and Secondary Education brought to the Smithsonian 30 teachers from the four communities participating in its collaborative project with the National Faculty. The teachers worked with Smithsonian staff members and university faculty to study material culture and develop classroom materials.

## July

■ **Education Program** The National Museum of African Art Education Department sponsored an interdisciplinary panel discussion on "The Art and Culture of Ancient Nubia" in conjunction with the exhibition "Ancient Nubia: Egypt's Rival in Africa." Participants in the standing-room-only program included historian Ismail Abdallah, College of William and Mary; archaeologist David O'Connor, University of Pennsylvania Museum; cultural anthropologist Ann Jennings; and archaeologist Nettie K. Adams, Webb Museum of Anthropology.

## July

■ **Research** Modifications of the existing Multiple Mirror Telescope building at the Smithsonian's Whipple Observatory in Arizona were begun in preparation for the conversion of that six-mirror telescope into a single-mirror instrument 6.5 meters in diameter.

## July

■ **Major Gift** The Smithsonian Institution Libraries welcomed a major gift of a microfilm copy of *Trade-a-Plane* magazine from TAP Publishing Company. Representing the company, Jean Durfee presented the gift of 114 reels of microfilm that preserve the run of the magazine from its beginning in 1937. The gift includes a printing copy, a user copy, and a cabinet to house the film.

## July

■ **Exhibition** The National Museum of African Art, in collaboration with the Museum of Fine Arts, Boston, presented "The Ancient Nubian City of Kerma, 2500–1500 B.C." This three-year loan exhibition of works from the Museum of Fine Arts' permanent collection features objects from Kerma, an ancient city that was located on the Nile River. The exhibition was organized by the Boston museum and its Department of Ancient Egyptian, Nubian and Near Eastern Art; all objects are from the Harvard University-Museum of Fine Arts, Boston, Expedition.

## July

■ **Grant** The Smithsonian Tropical Research Institute and the Organization for Tropical Studies received a three-year grant for \$350,000 from the Andrew W. Mellon Foundation to foster comparative studies among the two organizations' sites.

## July

■ **Agreement** The Smithsonian and Hot Shots/Cool Cuts, Inc., signed an agreement that will open the Office of Telecommunications' extensive library of film and video footage for licensing by film and television production companies.

## July–August

■ **Internships** For the second year, the Smithsonian Astrophysical Observatory Summer Intern Program brought a dozen college undergraduates to the observatory headquarters in Cambridge, Massachusetts, to work with Smithsonian scientists on a variety of research projects.

## July 2

■ **Concert** The Center for Folklife Programs and Cultural Studies held a special tribute concert in honor of

the late festival director Ralph Rinzler, featuring Pete and Mike Seeger, Piedmont blues musicians John Cephas and Phil Wiggins, and black Appalachian singers Ed and Melissa Cabbell.

## July 5–26

■ **Museum Careers Seminar** The Center for Museum Studies held its annual Museum Careers Seminar series for Smithsonian interns. The four-part program explored museum practice and functions, museum positions, and career planning and guidance.

## July 8

■ **Exhibition** "The Graceful Envelope," a temporary exhibition devoted to calligraphy, opened at the National Postal Museum.

## July 10–14

■ **Teachers' Program** With the New York City Board of Education, Cooper-Hewitt, National Design Museum cosponsored the second annual Summer Design Institute. More than 100 public school teachers attended this year's program, which focused on technology and education.

## July 10

■ **Public Program** In its Cultures in Motion series, the National Portrait Gallery presented "A Woman Bold Enough," a new one-woman play by Jane Ross on the life of 19th-century artist Harriet Hosmer, America's first successful woman sculptor.

## July 10

■ **Presentation** National Science Resources Center Deputy Director Sally Goetz Shuler gave the keynote address, "Lessons Learned about Systemic Reform," at the annual convention of the National Science Education Leadership Association.

## July 17–21

■ **Diversity Seminar** The Center for Museum Studies sponsored "Awards for Museum Leadership," an annual five-day program at the Smithsonian that explores cultural diversity issues in the museum environment.

## July 20

■ **Research** The National Museum of Natural History's Research Initiatives program completed a successful first year with support totaling \$325,100 going to projects headed by 35 museum scholars. The five initiatives—Collections as World Resources; Biodiversity: Systematics, Evolution, and Ecology; Ecosystem History and Global Change; Earth and Planetary Processes; and Human Cultural and Biological Diversity—represent broad research themes to be emphasized at the museum during the next decade. The museum established the new competitive process for directing research funds to encourage innovative projects that explore new questions and integrate various fields of study.

## July 20

■ **Exhibition** "Directions—Martin Kippenberger: Works on Paper" opened at the Hirshhorn Museum and Sculpture Garden, featuring more than 50 colorful drawings on hotel stationery and collages by this German artist (b. 1954) from the 1980s and 1990s.

## July 21

■ **Television Broadcast** The National Portrait Gallery's Hall of Presidents doubled as a television studio when C-SPAN's *Washington Journal* broadcast a live program on the gallery and its collections. Host Brian Lamb interviewed Director Alan Fern as camera crews provided glimpses of the permanent collection on display. Pretaped segments on the photography collection, the Great Hall, and the Frederick Douglass exhibition were also included.

## July 22

■ **Public Program** The Anacostia Museum invited the community to a Family Day, offering activities for all ages and a chance to see the exhibition "Black Mosaic: Community, Race, and Ethnicity Among Black Immigrants in Washington, D.C." Doll making, quilting and mask making workshops, steel drum music, and storytelling were featured.

## July 23

■ **Exhibition opening** "Painted Prayers" at the Arthur M. Sackler Gallery celebrated the devotional art of Hindu women and girls all over India through the vibrant photographs by writer and art historian Stephen P. Huyler. To further introduce the living tradition of

painted prayers to gallery visitors, women from the Washington area Indian community gave public painting demonstrations within the exhibition.

## July 24

■ **Public Program** The National Portrait Gallery presented "Blues Woman," a Cultures in Motion performance of music and life stories of Bessie Smith, Ethel Waters, and Billie Holiday, as interpreted by vocalist Beverly Cosham and narrated by Jewell Robinson.

## August

■ **Publication** A profusely illustrated history of the Institution's first century and a half, *The Smithsonian: 150 Years of Adventure, Discovery, and Wonder*, written by James Conaway, was published by Smithsonian Books and Alfred A. Knopf, who will distribute the book to the retail trade.

## August

■ **Publication** Rare Books and Manuscripts in the Smithsonian Institution Libraries, an illustrated review of the Smithsonian Institution Libraries' most valuable collections, was published with support from The Dibner Fund. It is available from the Smithsonian Institution Press and in the Museum Shops.

## August

■ **New Facility** A new ramp adjacent to the Smithsonian Environmental Research Center boat pier allows easier and safer launching and retrieval of the small boats that the center uses to conduct much of its research on the Chesapeake Bay.

## August

■ **Promotional Initiative** InfoTravel, a new interactive multimedia promotional system developed by Bell Atlantic for Washington, D.C.-area hotels, added a feature on the Smithsonian after working with the Visitor Information and Associates' Reception Center.

## August

■ **Grant** The Office of Telecommunications received a \$200,000 grant from the National Endowment for the Arts to support its television and radio project, "A River of Song," which explores music along the Mississippi River from Minnesota to New Orleans.

## August

■ **Publication** The National Museum of African Art and the Smithsonian Institution Press copublished the anthology *African Nomadic Architecture: Space, Place, and Gender*, edited by architect and architectural historian Labelle Prussin. In this handsomely illustrated book, Prussin identifies the three elements that distinguish nomadic from sedentary architecture: mobility, gender, and ritual.

## August

■ **Renovation** The Smithsonian Institution Libraries' renovation of its rare book and special collections facility, the Dibner Library of the History of Science and Technology, was completed, with new compact shelving to double the stack space, a redesigned staff work area, and electrical upgrades to accommodate researchers' computing needs.

## August

■ **Education Program** The Friends of the National Zoo introduced the first week-long overnight wildlife conservation camps for children at the National Zoo's Conservation and Research Center in Front Royal, Virginia. Campers learned basic conservation biology skills in the Blue Ridge foothills.

## August

■ **150th Anniversary** The first official ad promoting the Smithsonian's 150th anniversary celebration to tour and travel planners appeared in the Washington, D.C., Convention and Visitors Association *Meeting Planners Guide*.

## August 4–5

■ **Presentation** National Science Resources Center Executive Director Douglas Lapp presented a paper entitled "Lessons Learned in Past Efforts to Improve Science Education" at the 10th Anniversary Conference of the Center for the Advancement of Science and Mathematics Education, held at the University of Natal, South Africa. He also gave a science education workshop for 70 South African teachers.

## August 8

■ **Exhibition** An exhibit promoting the Smithsonian as a primary tourist destination opened at Baltimore-Washington International Airport. It was a collabora-

tive effort of the Office of the Provost, the Visitor Information and Associates' Reception Center, the Office of Exhibits Central, and the National Museum of African Art.

## August 9–20

■ **Study Tour** A new international study tour format, "Family Cruises," was developed especially for families by The Smithsonian Associates. More than 140 Associates and accompanying children enjoyed a voyage in the Mediterranean.

## August 10

■ **Educational Publication** *We Were There: Letters from the Battle Front*, an activity book and resource guide for secondary schools that integrates historic letters into the study of American history, was published by the National Postal Museum.

## August 12

■ **Public Program** At the Anacostia Museum, young cultural critics joined in a panel discussion and film festival on hip hop, the popular yet controversial contemporary musical form.

## August 18

■ **Collections Management** The National Museum of Natural History began using the Transaction Management Subsystem of the planned Collections and Research Information System in the shipping office and several scientific departments. The new subsystem automates the processing and tracking of the thousands of objects that the museum acquires, exchanges, lends, borrows, or relinquishes each year. All departments are scheduled to be using the new subsystem by the end of 1996.

## August 27

■ **Exhibition opening** "Goyo: Japanese Prints," opened at the Arthur M. Sackler Gallery featuring all 16 of the color woodblock prints produced by Hashiguchi Goyo (Japanese 1880–1921). The prints were the gift of H. Ed Robison in memory of Ulrike Pietzner-Robison.

## September

■ **Award** The Office of Telecommunications' interactive video program *Meet the Ellington Orchestra*, created

for the Smithsonian traveling exhibition "Beyond Category: The Musical Genius of Duke Ellington," received the New York International Multimedia Festival's Silver Award for second place among more than 200 entries.

#### September

■ **Video Release** The JVC/Smithsonian *Folkways Video Anthology of Music and Dance of the Americas* was produced in collaboration with the Center for Folklife Programs and Cultural Studies' Smithsonian/Folkways Recordings, JVC, and Multicultural Media. The six videotapes feature 158 examples of music and dance from many traditions throughout the Americas, with accompanying texts.

#### September

■ **Publication Award** Smithsonian Institution University Press's publication *The Ecology and Conservation of Neotropical Migrant Landbirds*, edited by John Hagan and David Johnston, was awarded the Wildlife Societies Publication Award for Best Edited Volume.

#### September

■ **Workshop** The Smithsonian Institution Traveling Exhibition Service hosted a workshop in Washington, D.C., to introduce representatives of humanities councils in Arizona, California, Indiana, and Nebraska to the successful SITES-National Museum of American History exhibition "Produce for Victory: Posters on the American Home Front, 1941-1945." The exhibition, created with rural areas in mind, completed its first tour to five states through those states' humanities councils. This partnership between SITES and state humanities councils is making the Smithsonian's offerings accessible in underserved areas of the nation, one of SITES' primary goals.

#### September

■ **Radio Series** *Folk Masters from the Barns of Wolf Trap*, hosted by Nick Spitzer, entered its fifth broadcast season on public radio nationwide and abroad.

#### September

■ **New Construction** The Smithsonian Environmental Research Center began construction of a visitor orientation center that will include classrooms, a teacher resource room, and exhibit space. Public educational activities such as the Java History Trail, Estuary Chesapeake, and the Discovery Trail will be offered from this facility.

#### September

■ **Exhibition** "An Ocean Apart: Contemporary Vietnamese Art from the United States and Vietnam" opened at the Ellipse Arts Center in Arlington, Virginia. This exhibition, organized by the Smithsonian Institution Traveling Exhibition Service, is the first major U.S. exhibition of contemporary artworks by Vietnamese and Vietnamese American artists.

#### September

■ **Multimedia Projects** Under the auspices of the Office of Telecommunications, the Smithsonian launched a relationship with Voyager Software to create multimedia programs, beginning with *Insect World*, and contracts with Macmillan Digital, a division of Simon and Schuster, for distribution of the 150th anniversary *America's Smithsonian* CD-ROM.

#### September

■ **Electronic Outreach** Smithsonian Online, coordinated by the Office of Elementary and Secondary Education, hosted a real-time chat with Michael Robinson, the first in a three-month series featuring Smithsonian experts.

#### September 1

■ **Video Release** At the annual meeting of the Society of American Archivists, the Conservation Analytical Laboratory announced the completion and availability of the videotape *Rescuing Records—Recognizing Values and Problems*. Intended for collection managers of paper-based research collections in museums, archives, and libraries, the video identifies problems associated with such documents and provides recommendations for their preservation.

#### September 1

■ **New Facilities** On Barro Colorado Island off the coast of Panama, the Smithsonian Tropical Research Institute dedicated new laboratories, living quarters for workers, housing units for scientific visitors, and a pier, completing significant improvements to the island's living and working environment that were begun in 1987.



### September 6

■ **International Meeting** Meeting in Washington, Panama's President Ernesto Perez Balladares presented a letter to Secretary I. Michael Heyman and Smithsonian Tropical Research Institute Director Ira Rubinoff expressing his government's intention to continue supporting STRI beyond the year 2000.

### September 7

■ **Lecture** "Case Studies in Preservation and Access to Photographs at the Smithsonian Institution," by Conservation Analytical Laboratory postgraduate fellow Andrew Robb, concluded this year's presentations for the Research Libraries and Archives Collections Conservation Task Force. This three-year-old program, coordinated and organized by the CAL paper conservation laboratory, combines educational presentations and demonstrations with practical assistance to Smithsonian research collections.

### September 15

■ **Research Grants** At the National Museum of Natural History, efforts to identify and describe the world's organisms were strengthened by three grants from the National Science Foundation's Partnerships for Enhancing Expertise in Taxonomy program. These multiyear grants support research projects that document poorly known groups of organisms and help train young researchers to continue this important work in the future.

### September 16–January 2

■ **Exhibition** Oversized, colorful fiberglass sculptures and powerful graphics made the exhibition "Luis Jiménez: Man on Fire" a popular hit during its run at the National Museum of American Art. Based on an exhibition organized by the Albuquerque Museum, it emphasized the museum's strong holdings of Jiménez' work, including *Vaquero*. This Mexican cowboy on a rearing horse stands on the steps of the museum and has become its unofficial symbol.

### September 16

■ **Benefit Event** The Young Benefactors, a membership group of The Smithsonian Associates, held its sixth annual Blast-Off Black Tie Gala and presented the Institution with a check for \$100,000, representing funds raised during fiscal year 1995.

### September 17

■ **Performance** The National Postal Museum was the setting for "Return to Sender," a musical program of mail songs performed by Cindy Hutchins, Michael Tilford, and Howard Breitbart of the American Song Company.

### September 18

■ **Facility Improvement** After eight and one-half months of construction on the ventilation systems in half of its laboratories, the Conservation Analytical Laboratory reopened the labs and became fully operational.

### September 19

■ **Panel Discussion** The Hispanic Heritage Planning Committee, in conjunction with the Wider Audience Development Program in the Office of the Provost, celebrated Hispanic Heritage Month with "Nueva Ola/New Wave: Emerging Latino Voices in U.S. Literature." The discussion featured writers Norma Cantu, Judith Ortiz Cofer, Gustavo Perez Firmat, and Rosario Ferre. Held at the Hirshhorn Museum and Sculpture Garden, the event received support from the Educational Outreach Fund.

### September 22–25

■ **Film and Video Festival** Seventy-five films, videos, and radio programs by Native American directors and other independent mediamakers were showcased at the Ninth Native American Film and Video Festival at the George Gustav Heye Center of the National Museum of the American Indian.

### September 24

■ **Exhibition opening** "The Power of the Pen: Islamic Calligraphy in the 14<sup>th</sup> Century" at the Arthur M. Sackler Gallery presented a selection from the Vever Collection of Islamic Arts of the Book, with emphasis on the use of calligraphy to transcribe verses from the Koran.

### September 25

■ **Educational Publication** The National Postal Museum published *Pen Friends*, an intergenerational letter-writing guide and resource booklet for middle school and high school students working with older adults.

### *September 25*

■ *Distinguished visitor* Milo Beach, director of the Freer Gallery of Art and the Arthur M. Sackler Gallery, was host of a reception in honor of the visit of the Dalai Lama to the Freer. His holiness toured the Buddhist galleries and addressed guests about the importance of preserving the cultural heritage of Tibet.

### *September 26*

■ *Publication* "Take Metrorail to the Smithsonian Museums," a pamphlet designed by the Visitor Information and Associates' Reception Center, was updated and reprinted by the Washington Metropolitan Area Transit Authority to promote the use of public transportation to reach Smithsonian museums.

### *September 26-27*

■ *Meeting* The 15-member National Postal Museum Advisory Commission held its fourth annual meeting. The commission includes corporate executives, scholars, educators, government officials, and representatives of the business mailing community.

### *September 26*

■ *New Advisory Committee* The new external advisory committee for the Conservation Analytical Laboratory visited CAL for a program review. Committee members heard program and management presentations, inspected the facilities, and met with staff and outside collaborators.

### *September 27*

■ *Lecture* Sir David Attenborough addressed members of The Smithsonian Associates with a slide-illustrated lecture, giving a lively account of how plants work as living organisms. He also described his travels to remote parts of the world in search of rare, spectacular flowers.

### *September 28*

■ *Film Series* Dennis Potter's *Midnight Movie* launched the free film series for 1995-96 at the Hirshhorn Museum and Sculpture Garden. In the previous year, more than 22,000 people attended these free programs, which feature cutting-edge international independent cinema, documentaries on contemporary artists, and family-oriented animation.

### *September 30*

■ *Public Program* Visitors of all ages gathered in the rotunda of the National Museum of Natural History for BugFest '95. Staff members from the Department of Entomology and Office of Education displayed specimens and answered questions about katydids, flies, ants, bees, wasps, beetles, moths, butterflies, spiders, and many other kinds of insects. Visitors could also sample insect-based foods, try their hand at drawing insects, or watch a tarantula feeding at the museum's O. Orkin Insect Zoo. Many materials distributed at the event were available in both Spanish and English.

# Reports of the Bureaus and Offices of the Smithsonian Institution for Fiscal Year 1995

## The Provost

### *Office of the Provost*

*Robert S. Hoffmann, Acting Provost*

On October 31, 1994, Secretary Heyman combined the offices of three assistant secretaries to establish the Office of the Provost and appointed former Assistant Secretary for the Sciences Robert Hoffmann as acting provost. The creation of this office marked a major step in the strategic planning of a more efficient and effective Institution. The Office of the Provost plans, coordinates, facilitates, and evaluates the Institution's activities in research, collections management, exhibitions, education, and cultural programs.

During the year, the Office of the Provost initiated activities to commemorate the Smithsonian's 150th anniversary year. Major programs include a lecture series to accompany the traveling exhibition, "America's Smithsonian"; "The Unseen Smithsonian," a photographic exhibition illustrating the diversity and breadth of research interests pursued by Smithsonian scholars; an endowed chair in museum studies at George Washington University; lectures and panel discussions at scholarly and professional organization meetings across the United States; and behind-the-scene tours of program units that help staff and volunteers appreciate and understand institutional activities.

The 25-member Smithsonian Council assessed the Smithsonian's anthropological and cultural studies programs, as well as programs of the Smithsonian's conservation biology community and the Conservation Training Council.

Through James Smithson Trust funds—the Research Opportunities Fund, Restricted Endowment Funds, Scholarly Studies Program, Special Exhibition Fund, Collections-Based Research Fund, and Educational Outreach Fund—the office distributed awards to museums, research institutes, laboratories, and other offices. The awards support innovative scientific endeavors; exhibitions that broaden public understanding of Smithsonian collections; and education, cultural interpretation, and audience development programs.

The office initiated Institution-wide discussions and workshops focusing on recent exhibitions and research that resulted in new guidelines and improved procedures for exhibition planning.

The Council of Museum Education Directors organized a Smithsonian-wide conference that reviewed national education reform goals and guidelines and presented local, national, and Smithsonian examples of the museum community's involvement in education reform.

Smithsonian scholars from the sciences and the humanities gathered at a conference focusing on the history and contributions of Smithsonian researchers. "What about Increase? The First Science and Humanities Dialogue" fostered a spirit of community, shared goals, and cooperative endeavor.

The office continued support for the Material Culture Forum and the History Roundtable, which hold regular discussions on topics that cross disciplines, thereby encouraging communication and collegial work among research staff.

The Wider Audience Development Program coordinated nearly 30 lectures, films, performances, and other educational programs to explore different facets of America's multicultural heritage.

The office supported several Smithsonian units in organizing programs for Asian and Asian American communities.

The Accessibility Lecture Series offered 10 programs to staff from the Smithsonian and from cultural organizations in the Washington, D.C., area on topics such as universal design and audio description for performances.

"Ocean Planet," a traveling exhibition on ocean conservation organized by the Environmental Awareness Program, opened at the National Museum of Natural History.

## Sciences

### *Conservation Analytical Laboratory*

*Lambertus van Zelst, Director*

Several events early in the year had major effects on CAL's programs and activities during this past year. First, the year started with the implementation of the new management structure, which is matrix oriented rather than based on the traditional disciplinary departments. In the new structure, ac-

tivities take place in three program areas, research and development, education and training, and support and collaboration, each with a Program Coordinator overseeing and coordinating the work in their specific area. Staff, however, can and often does participate in several projects at a time, which can fall into more than one of these program areas; for each project the corresponding coordinator oversees the work done on it.

The second event, which resulted in a major challenge to CAL staff, was the year long construction project at MSC to retrofit the ventilation system. In contrast to earlier planning, this project resulted in a major disruption, since half of the CAL facilities were closed down between January and August. Thanks to the gratefully acknowledged help from the National Museum of Natural History, temporary spaces could be identified within MSC to keep most of the programs going. However, the education program especially was seriously disrupted, and some major equipment, that could not be moved to temporary quarters, was shut down for several months. That the overall work progressed quite satisfactorily is testimony to the outstanding efforts made by the CAL staff to overcome these difficulties.

In the research program on mechanical properties of materials, a major milestone has been passed. The quantitative relationships between mechanical properties and environmental conditions (temperature and relative humidity) have been worked out for a large number of material types and this, in turn has enabled the researchers to formulate safe ranges for these environmental conditions inside which fluctuations pose no danger to the objects in storage or on display. The possible variations from the general set points of 50% RH and 68 degree F. are indeed much larger than has generally been assumed in the conservation literature; as a result substantial savings in energy costs may be realized in operating the climate control systems in museums. A number of special symposiums has already been organized at various locations to disseminate these results to the museum community. Several museums nationwide that were planning new construction and/or climate control systems have asked for detailed information to include these data in their planning. At the Smithsonian, this work may lead to significant savings in the control system acquisition and operation at the planned Dulles Airport facility of NASM. Moreover, in order to assess the possibility of savings in other facilities, the main investigators have been assigned on a special detail to a planning group at ODC charged with the drafting of Institutional guidelines for environmental control standards.

The program of research into the preservation of photographic materials successfully developed a packing technique which provides sufficient humidity control allows inside the package to allow the use of commercially available freezer technology for the long term storage of photographic materials. The advantage of freezer storage are in lower temperature, hence longer life expectancy, and in greater energy efficiency. Moreover, using commercial technology makes the equipment

scalable to the size of the collection, from a household size freezer, through supermarket freezers, to walk-in freezer vaults. This will make cold storage a feasible and affordable preservation strategy for small and large collections alike. At CAL, a pilot demonstration project has been started.

In the modern materials preservation research, attention centered on the preservation of magnetic storage media, especially videotape. It appears that the determining factor in the loss of use of the information is the chemical breakdown of the adhesive binder holding the magnetic particles. Hence, the research focussed on the development of a technique to assess, non destructively, the degree to which this chemical deterioration process is progressing, in order to make informed decisions as to when to copy the information. Based on preliminary results, the use of attenuated total reflection Fourier transform infra red spectrometry appears to holds good promise, and this work will be continued. Research on the chemical ageing of paper under natural and accelerated conditions, and the relationship between chemical and physical deterioration, progressed on schedule; since under not overly exaggerated conditions these processes are rather slow this is a multi year project.

The conservation of the neolithic plaster statues from Ain-Ghazal, Jordan, entered its final phase, the reassembly and reconstruction. An agreement has been reached with the Sackler Gallery and the Jordanian government, for a temporary exhibit at the Sackler gallery of these unique objects after the completion of their conservation, in late 1996.

Work on the trace element characterization of archaeological ceramics was seriously hampered by a prolonged shutdown of the nuclear reactor at the National Institute for Standards and Technology (NIST), where CAL operates a facility for neutron activation analysis. This provided one more argument for the need to develop alternative trace element analysis facilities, and a request has been submitted for the FY96 research equipment pool for funding to acquire an inductively coupled plasma optical emission spectroscopy instrument, later to be augmented by ICP mass spectrometry. On the other hand, good progress was made in the stable lead isotope ratio characterization of archaeological metal sources. Collaborative work on the early bronze age "Great Orme" tin mine in the UK was brought to conclusion, and the project on Nigerian (Benin and Ife and Igbo-Ukwu) bronzes produced a first series of promising data.

In the biogeochemistry program, work continued on the development of molecular dissection techniques for light element (carbon, nitrogen and oxygen) isotopes, and, in collaboration with the Geophysical Laboratory of the Carnegie Institution, on the comparison of isotopic compositions of proteins from fossil, Cambrian and contemporary, Hawaiian shells of the brachiopod *Lingula*. In collaboration with the anthropology department of NMNH, and with funding from the James Smithson society, a vacuum line sample preparation facility for light element mass spectrometry (and accelerator mass spectrometry radiocarbon dating) was constructed at

MSC. Work also continued on the assessment of preservation, and recovery, of DNA and other biomolecules from the fossil record. A mechanism by which DNA is stabilized in the fossil record through cross-linking to collagen was identified.

Although the earlier mentioned construction work greatly impeded the organization of courses, the Furniture Conservation Training Program was still able to conduct the last four courses for the class of 1996; the students in that class will spend FY96, their last year in the program, in internships. Other educational activities proceeded successfully. Two students worked, as interns in the archaeological conservation training program, at sites in Pakistan (Harappa) and Honduras (Copan). At the latter site, Harvard University established this year an archaeological field school and collaboration with the latter program enabled CAL to expand its activities to reaching of conservation principles to archaeologists in that school. Again, local archaeologists and museum professionals at both sites benefitted from the CAL presence through formal and informal instruction. The Research Library and Archives Conservation Training (RELACT) program continued its educational activities for managers and users of paper based research collections in the Smithsonian museums and research institutions. Four research collections received practical preservation assistance within the context of this program, while professionals who have received instruction were again provided with access to the CAL based resource center.

CAL proceeded with the production of instructional videotapes: in addition to the first one on Furniture Care and Maintenance, a second one on Rescuing Records—Recognizing Values and Problems, intended for an audience of managers of paper based research collections in museums, libraries and archives, was produced. Both videotapes will be available shortly, after the accompanying documentation has been prepared.

Preparations with the faculty of the local Suitland High School, for a collaborative program aimed at the development and testing of high school curriculum enrichment materials, led to the formulation of a pilot program which saw its inception shortly before the end of the reporting period. During the first semester of the academic year 1995-96, a class of students will receive instruction at the laboratory on the properties of materials in art. This instruction will also be integrated in other courses taught at the school by the faculty. This project is considered a first step in a long-term program of educational outreach on the secondary education level.

With an increased emphasis on production of special CAL publications, an in-house desk-top publishing facility was installed. Its first production was a newly designed Annual Report for FY94. Another major addition to the Support and Collaboration group was the image storage and analysis equipment for microscopical images; in combination with the new optical research microscope, and able to receive images from the electron microscope, this addition has brought CAL to house a state-of-the-art microscopy facility, which will greatly help the laboratory to reach its stated goal of establishing a center of excellence in research microscopy.

Close before the end of the year, the newly established external Advisory Board paid a two day review visit to CAL. Prepared with advance documentation, the Committee heard presentations by CAL management and by leaders of various programs and projects, met with the Provost and Assistant Provost for the Sciences, inspected the laboratory facilities, had individual meetings with all staff members, and met over lunch with a group of external collaborators. While the Committee had not yet submitted its report at the time of this writing, preliminary reactions were highly favorable and encouraging.

## *National Museum of Natural History*

### *Dr. Donald J. Ortner, Acting Director*

In keeping with its mission—to understand the natural world and the place of humans in it—the National Museum of Natural History continued its tradition of excellence in scientific research, public outreach, and collections acquisition and management in 1995. As one of the world's largest research museums, NMNH maintains more than 120 million cultural artifacts and specimens of plants, animals, fossils, rocks, and minerals. Through its educational programs, scholarly and popular publications, and numerous public exhibits—which on a yearly basis attract more than 6 million visitors—NMNH is at the forefront of natural history museums worldwide in disseminating knowledge about the natural and cultural diversity of the Earth.

What follows are highlights from each of the Museum's many areas of accomplishment and expertise.

### **General Information**

The Research Initiatives Program completed a successful first year with a total of \$325,100 awarded competitively to 27 proposals involving 35 NMNH Principle Investigators (26 curators and 9 support staff). The awards helped to foster exciting research and collections work within the Museum, as well as supporting new directions in research.

In 1995, NMNH staff obtained substantial outside research and collections grants totaling over \$6 million. For example, Dr. Brian Kensley of the Department of Invertebrate Zoology (IZ) spearheaded an agreement between the National Science Foundation and the Smithsonian Institution concerning the Biological Collections from Polar Regions. This agreement, worth \$1,250,000, is to be awarded over the span of 5 years and designates Invertebrate Zoology as a "Center for Excellence in Antarctic Research."

Two new scientists have been added to the Museum staff this year and will be joining the Department of Entomology. They are: Dr. Ted Schultz, a specialist in the systematics and ecology of ants, and Dr. Daniel Polhemus, an expert in flies,

with additional interest in the conservation and biota of Hawaii. These researchers have filled positions vacated through retirements and will strengthen scientific and public programs in both the Department and the Museum.

On October 14, 1994, Museum board member Gilbert S. Kahn announced a gift of \$2 million from his mother, Janet Annenberg Hooker, to the Campaign for the Hall of Geology, Gems and Minerals. The donation also included a four-piece jewelry suite of rare fancy yellow diamonds. Mrs. Hooker had contributed \$3 million to the campaign in 1992, and the new hall will be named in her honor when it opens in 1996.

The Smithsonian Marine Station at Fort Pierce in eastern Florida this year benefited from two generous supporters. The John D. and Catherine T. MacArthur Foundation agreed to a discounted sale of eight acres of land in Fort Pierce, Florida, which will provide a permanent site for the facility. In addition, the station received a 1995 Ford Explorer from Ford Motor Company, a sponsor of the Museum's "Ocean Planet" exhibition.

The Museum expanded its outreach significantly this year via the information superhighway. Online services now available include an NMNH "home page" on the World Wide Web, an electronic version of the "Ocean Planet" exhibition, scientific and general-interest publications, collection information, specialized bibliographies, comprehensive species list for some groups of organisms, and discussion centers that link researchers around the world.

The Fall meeting of the NMNH Board took place in Anchorage, Alaska, in early September. This venue was chosen to provide Board members a first-hand look at the NMNH Arctic Studies Center.

## Department of Anthropology

The Asian Cultural History Program celebrated its 10th anniversary (1985-95) with several publications and new projects, including Chung-su Houchins' monograph, "Artifacts of Diplomacy: Smithsonian Collections from Commodore Matthew Perry's Japan Expedition (1853-1854)," (Smithsonian Contributions to Anthropology, volume 37), and Dr. Paul Michael Taylor's edited volume, "Fragile Traditions: Indonesian Art in Jeopardy," (Honolulu: The University of Hawaii Press, 1994).

Under the leadership of Dr. William Fitzhugh, The Arctic Studies Center was particularly active in outreach activities in 1995. The exhibition "Crossroads: Alaska" toured 15 small villages throughout Alaska this past year. The objects from native cultures of the Bering Straits region have special meaning for many of those who live in rural Alaska. The materials were made all the more accessible by means of the accompanying library of videos, educational materials, and related outreach programs.

After two years of planning, Dr. Dennis Stanford began excavations and archival research in the Toluca Valley of central Mexico. This project, designed to study the processes of human-induced landscape change, found evidence of massive erosion and deforestation coinciding with the Spanish con-

quest of the Aztec empire almost 500 years ago. As a result of this discovery, new research collaborations were established with the Mexican National Institute for Anthropology and History, the National Autonomous University in Mexico City, Mexico's National Museum of Anthropology, and the government of the State of Mexico.

Drs. Douglas Owsley and Douglas Ubelaker collaborated in the development of "Standards for Data Collection from Human Skeletal Remains," the published proceedings of a seminar at the Field Museum of Natural History. Drs. Owsley and Ubelaker were also instrumental in providing anthropological contributions to the investigation of the events at the Branch Davidian Compound near Waco, Texas, in early 1993, and, as a result of these investigations, published a paper describing the role of forensic anthropology in the recovery and identification of the Compound victims.

During Fiscal Year 1995, the Department of Anthropology's Collections staff—working in conjunction with the Museum's MOVE staff—cleaned, rehoused, packed, bar coded and relocated approximately 56,000 catalogue records, equivalent to more than 100,000 objects, to the Smithsonian's Museum Support Center in Suitland, Maryland. These objects are representative of cultures throughout the world. In addition, the Department captured digitized images of its catalogue records for the ethnology, archaeology, and physical anthropology collections. This documentation system, which will be made available on CD ROM, will facilitate collections access and research for both scholars and the general public.

## Department of Botany

Drs. Warren Wagner and Vicki Funk, Department of Botany, were the editors of a book, "Hawaiian Biogeography: Evolution on a Hot Spot Archipelago" (Smithsonian Institution Press, Washington, D.C., 1995). This volume represents the first detailed biogeographic study of Hawaiian organisms and brings together the work of a majority of the contemporary biological researchers on the terrestrial Hawaiian biota. In collecting and synthesizing the available data, the publication offers not only a new understanding of the biogeography of the archipelago, but is certain to kindle new ideas concerning evolution on islands.

As published in "Science," Drs. Mark and Diane Littler, Department of Botany, discovered a new bacterial pathogen of calcareous coralline algae that occurs in South Pacific reefs and spans a geographic range of at least 6,000 kilometers. Because of the important role played by coralline algae in reef building, this pathogen has the potential to greatly influence coral reef ecology and related processes.

On June 9, 1995, "Science" magazine featured an article entitled "Multiple Origins of the Lichen Symbioses in Fungi Suggested by SSU rDNA Phylogeny" ("Science" 268: 1492-1495, 1995). The article was co-authored by Drs. Andrea Gargas and Paula DePriest, members of the Department of Botany, NMNH, in collaboration with Martin Grube and Anders Tehler. The piece provided a phylogenetic placement

based on molecular data for a diversity of lichen-forming fungi that demonstrated at least five independent origins of this type of symbiotic association. The research, which was conducted in the laboratories of the Department of Botany with assistance from the Laboratory of Molecular Systematics, was funded by Research Initiative Awards, a Scholarly Studies Grant, and departmental funds.

Additionally, Dr. DePriest was the 1994 winner of the Tuckerman award for the best lichen paper in Volume 97 of "The Bryologist." The paper, "Variation in the *Cladonia chlorophaea* Complex II: Ribosomal DNA Variation in a Southern Appalachian Population," described extensive genetic variation within an interbreeding population of pixie cup lichens.

Department of Botany curator Dr. Pedro Acevedo's manuscript, "Flora of St. John, U.S. Virgin Islands," has been accepted for publication by the New York Botanical Garden. The work treats the 747 native and naturalized species of vascular plants occurring on St. John, the strategic geographical position of which will ensure the volume's value as a tool for students of the Caribbean flora in general.

#### Department of Entomology

The Department of Entomology received the donation of the Kawabe Lepidoptera collection, totaling approximately 50,000 specimens. This collection contains the finest representation of Asiatic moths of the superfamily Tortricodea ever assembled. Included in this group of moths are several of the most serious pests of fruit and forest trees known.

Butterfly curator Dr. Robert K. Robbins published an article with Paul A. Oppler (National Biological Survey) in a new book ("Biodiversity II") that for the first time documents butterfly diversity in each state and in each of the world's major biogeographic realms. The authors show that butterflies display a greater proportion of their diversity in the tropics than either birds or mammals. This result further emphasizes the importance of conserving tropical ecosystems, particularly if the diversity of other terrestrial arthropods mirrors that of butterflies.

The Department of Entomology prototype GOPHER went on-line in October 1994. It contains information about staff, resources available to visitors, newsletters maintained by staff members and information about the collections. It also contains information about, and from, various associated organizations located at the National Museum of Natural History, including the USDA Systematic Entomology Laboratory, the Walter Reed Biosystematic Unit, and the Maryland Center for Systematic Entomology at the University of Maryland. The Department's World List of Systematic Entomologists is particularly popular and its lists of type holdings are currently being expanded.

The Department of Entomology was one of two departments that participated in the testing of the CRIS Transaction Management computer system. The CRIS system facilitates our management of loans and exchanges. The state-of-the-art system will provide network access to individual curators and

technicians as well as a crucial link to the NMNH Registrar's Office.

#### Department of Invertebrate Zoology

Department of Invertebrate Zoology curator Dr. Steven Cairns published "The Marine Fauna of New Zealand: Scleractinia," (Cnidaria: Anthozoa). The volume is a major contribution to the knowledge of the world's deep sea corals.

The proceedings of the Cephalopod International Advisory Council Conference, held in Washington, D.C. in 1988, were edited by Dr. Clyde Roper, Dr. Mike Vecchione, and Michael Sweeney and are in press with Smithsonian Contributions to Zoology. Five papers in the volume are authored by Department of Invertebrate Zoology staff.

Dr. Robert Hershler was elected President of the American Malacological Society for 1998, at the annual meeting in Hilo, Hawaii, in June 1995.

The World List of marine and aquatic isopods, comprising about 5,000 species and prepared by Dr. Brian Kensley and Marilyn Schotte, was placed on the SI Gopher server, along with an authority file bibliography. The list, which provides original author, type locality, and some indication of depth of capture, will be invaluable to isopod systematists.

Dr. Klaus Ruetzler and Kate Smith completed development of a multimedia taxonomic key and database for Caribbean mangrove sponges supported by an award from the Smithsonian Society. The first results of this pilot study were presented and discussed with other experts at the Xth International Sponge Taxonomy Workshop - Biodiversity Database and Identification Systems - in Brussels in April 1995.

#### Department of Mineral Sciences

Drs. Tom Simkin (Department of Mineral Sciences) and Lee Siebert published "Volcanoes of the World: A Regional Directory, Gazetteer, and Chronology of Volcanism During the Last 10,000 Years," (Geoscience Press, Tucson). This book is a compilation of all known worldwide volcanic activity for the past 10,000 years, with statistics and diagrams showing frequencies and patterns of eruptions.

Department of Mineral Sciences curator Dr. Glenn MacPherson and colleagues published an invited paper on the evidence for the presence of the radioactive isotope of aluminum in the solar system at the time of the latter's formation. The isotope has a very short half life, 700,000 years, and may have been one of the major sources of the heat that caused wholesale melting of planets to form cores early in their existence.

Department staff completed a major project in collaboration with the staff of the Federal Bureau of Investigation to evaluate several new methods of identification, characterization, and tracing of soil samples taken from crime scenes.

In September 1995, the Department hosted an international conference, the Meteoritical Society Annual Meeting, at the Ripley Center. Over 200 talks and poster presentations covered all aspects of research on the solar system: its formation

and evolution, and its component planets, asteroids, meteoroids, and comets.

### Department of Paleobiology

This year, research scientists in the Department of Paleobiology published important papers, arising from several ongoing research programs. Most notable among these are three publications based on Dr. Alan Cheetham's long-term study, in conjunction with his colleagues Dr. Jeremy Jackson (STRI) and Dr. Lee-Ann Hayek (NMNH), of the evolutionary dynamics of bryozoans, a group of marine invertebrates. Their work provides the most compelling evidence gathered to date in support of the punctuated equilibrium model of evolution, which argues that speciation takes place in short bursts, followed by long intervals of stasis, rather than as a long series of small changes. These papers were published in "Evolution" (49:290-296); "Environmental and Biological Change in Tropical America" (University of Chicago Press, 1995); and "New Approaches to Speciation in the Fossil Record" (Columbia University Press, 1995).

Dr. Richard Benson and his colleagues, published a paper that extends the use of time resolution into the past using sedimentary patterns created by the Earth's natural rhythms. This paper is part of an ongoing study of the geological history of the Mediterranean region. ("Paleoceanography" 10:5-20).

The illustrated "Fossils of the Burgess Shale," (Smithsonian Press, 1995) was released. This book is the result of collaborative work among Drs. D.E. Briggs, F. Collier, and Douglas Erwin (NMNH). This volume brings the history and current knowledge of the Burgess Shale to the scientific community and the layman. The Burgess Shale remains among the most important collections at the National Museum of Natural History. It was collected by then Secretary Charles D. Walcott in the early 1900s. The collection has been pivotal in our understanding of the diversification of animal life and the development of evolutionary theory.

The Department of Paleobiology has made progress in the conservation of the vertebrate paleontology collections. Many specimens of Cenozoic mammals have been repaired and fitted with special jackets that offer both increased protection and accessibility to scientists interested in their study. Major reorganization of collections has also been initiated. Large numbers of specimens have been moved to new cases at the Museum Support Center, and collections have been reorganized in virtually all areas of the Department's holdings.

### Department of Vertebrate Zoology

The Department of Vertebrate Zoology's Dr. Lynne Parenti was invited to attend the Chinese Academy of Sciences' Workshop on "Conservation, Sustainable Use and Management of Wild Animals" and presented lectures on systematics relating to biodiversity. Dr. Parenti helped to establish ties with Chinese colleagues and to assure continued cooperation and exchange of scientists, books, and specimens.

Twenty years of effort, including the detailed examination of over 9,000 specimens and the recording and analysis of an enormous amount of data, resulted in the 1995 publication by Drs. Victor G. Springer and Jeffrey T. Williams of "The Indo-West Pacific Blennioid Fish Genus *Istiblennius* Reappraised: A Revision of *Istiblennius*, *Blenniella*, and *Paralticus*. New Genus," (Smithsonian Contributions to Zoology, Volume 565). This illustrated paper offers a systematic revision of three Indo-Pacific genera of common marine fishes, and describes a new genus and two new species.

In 1995 the Department of Vertebrate Zoology entered the "information highways" with the development of a World Wide Web page on Internet (Fishes). Mammal collection data were made available over Internet via the Natural History Gopher Server. This file encompasses information consolidated from over 477,000 specimen records into over 17,000 taxonomic-geographic records.

The new Osteo-Prep/Marine Mammal Necropsy Laboratory is virtually complete. The Lab is situated in Suitland, Maryland, adjacent to the Museum Support Center, and takes the place of the old East Court Laboratory. Like its predecessor, the new Marine Mammal Lab will allow mammalogists to examine the remains of dolphins, porpoises, and whales that have beached themselves or drowned in fishing nets. The Osteo-Prep facilities will make possible the preparation of skeletal remains for addition to the Museum's research collections. To inaugurate the site, Museum researchers hosted a workshop for some 20 porpoise researchers.

### Laboratory of Molecular Systematics

Dr. Elizabeth A. Zimmer, Laboratory of Molecular Systematics Botanist, continued her National Science Foundation Visiting Professorship for Women at the California Institute for Technology. While there she gained training in molecular developmental microscopy techniques applicable to systematics. Dr. Zimmer was named a Research Fellow at the Rancho Santa Ana Botanical Garden in Claremont, California, where she organized their annual symposium on the topic of "The New Morphology: Integrative Approaches to Plant Systematics."

\*Laboratory of Molecular Systematics investigators Dr. Paul Lewis and Dr. David Swofford have recently discovered a very general way to estimate genetic distances. This year, they presented their newly devised method, which vastly expands the number of possible models that can be applied in arriving at estimates, at the joint meetings of the Society for the Study of Evolution and the Society of Systematic Biologists.

The Laboratory of Molecular Systematics renovated 1,700 square feet of laboratory space at the Museum Support Center in Suitland, Maryland, to house frozen tissue collections. The space will also be used as a facility for recovering ancient DNA from Museum specimens.



## Office of Biodiversity Programs

December 1994 saw the publication of "The National Biodiversity Information Center: A Consensus Paper Prepared by the National Biodiversity Information Center Advisory Planning Board."

A major symposium, "Measuring and Monitoring Forest Biodiversity: The International Network of Biodiversity Plots" was held at the Smithsonian in May 1995.

In 1995, a number of courses were organized by the Office of Biodiversity Programs, among these "Ecology of Amazonian Rain Forests;" "Museum Techniques in Botany;" and a workshop devoted to an initial survey of Pelican Cays in Belize.

The Office began the establishment of surveys and inventory programs in Burma, China, and Cuba.

Dr. George Zug from the Division of Reptiles and Amphibians, with a colleague, Dr. Robert Reynolds, NBS, taught at the Department of the Interior Wildlife Inspector Basic Training Program for newly appointed Wildlife Inspectors with the Division of Law Enforcement.

## Museum Exhibits in 1995

Special exhibits were a highlight of 1995 at the Museum. "Spiders!" completed its successful debut at the Museum in January and began a North American tour that will continue until 1998. In April, "Ocean Planet" opened with the generous support of Times Mirror Magazines, the National Science Foundation, The Pew Charitable Trusts, Ford Motor Co, and Motorola. A new permanent exhibition, "Exploring Marine Ecosystems," opened in May, followed by the traveling show "Royal Tombs of Sipan" in June. Later in the year, the Museum's first outdoor exhibition—a butterfly garden began attracting butterflies.

"Ocean Planet"—This exhibition, organized by the SI Office of Environmental Awareness, opened to the public on April 22nd and continued through January 1, 1996. At that time it began national circulation by the Smithsonian Institution Traveling Exhibition Service. The exhibition was produced with the intention of promoting celebration, understanding, and conservation of the world's oceans. In association with the show, Times Mirror Magazines, Inc., developed a CD-ROM titled "Ocean Planet Explorer" for children. The Discovery Channel also produced a CD-ROM for general audiences.

Scientists at the National Aeronautics and Space Administration helped develop an on-line version of the exhibition, which became available in May over the Internet. Because of these and other partnerships, "Ocean Planet" is considered the most widely distributed exhibition and education effort created by the Smithsonian to date.

"Exploring Marine Ecosystems"—Upon its opening on May 19th, "Exploring Marine Ecosystems," a completely renovated exhibition, will introduce visitors of all ages to the complexity and importance of natural ecosystems. The exhibition

features living models of two of the many ecosystems contained within the Earth's oceans: a tropical coral reef and a temperate rocky shore. A life-sized blue whale in her entirety is also on display as a permanent feature.

"The Royal Tombs of Sipan"—This special exhibition was organized by the Fowler Museum of Cultural History at the University of California at Los Angeles and Bruning Archaeological Museum under the auspices of the National Institute of Culture, Peru. It opened to the public on June 2, revealing the riches excavated from the 1,700-year old burials in a Moche pyramid in Peru. Displaying more than 100 artifacts in gold, silver, and other precious materials, the exhibition introduced visitors to the Moche's remarkable jewelry, weaponry, regalia, and sacred ceremonies. The exhibition closed September 4, 1995 and returned to Peru.

Smithsonian Butterfly Garden—The Museum's first outdoor exhibition is located on the Ninth Street side of the Natural History Building. Four distinct habitats—wetland, meadow, woods' edge, and urban garden—encourage visitors to observe the partnerships between plants and butterflies. The garden is a joint venture of the Horticulture Services Division and the Museum, with partial funding from the Smithsonian Women's Committee. The garden, on view at all times, serves as a valuable complement to the O. Orkin Insect Zoo on the second floor of the Museum.

"Seminole Interpretations" is an expanded exhibit on the Seminole Tribe of Florida on view in the Native American halls. Additions to the previously existing display include a two-sided kiosk presenting Seminole culture in the 1990s. The Museum also collaborated with the Seminole's Ah-Tha-Thi-Ki Museum in Florida to develop an interactive computer program from which visitors can learn about facets of tribal life such as crafts, language and architecture.

## Education, Public Programs, and Outreach

The National Museum of Natural History, in association with the National Zoological Park, NASA's John C. Stennis Space Center, and Mississippi State University have agreed to work together to create a multimedia information system to give teachers and students greater access to the vast scientific educational resources of the Smithsonian and the NMNH in particular. The initiative will focus on teaching, research, and technology, with an emphasis on inquiry-based classroom research and interactive multimedia designed in accordance with the ongoing research within the participating organizations. Referred to as the "Natural Partners Program," this project expects to encourage, as one of its many goals, responsible decision-making about the conservation and the use of finite natural resources, while presenting NMNH scientists and their research in relevant ways to encourage students to become future scientists.

The Museum's premier program for national and international undergraduates, the Research Training Program (RTP), had another successful year. Since its inception in

1980, RTP has developed into a highly competitive program, awarding stipends to approximately 25 of 500 applicants each summer. Funding for the program has come from the Smithsonian Institution and from various external sources, including the National Science Foundation and The Pew Charitable Trusts. In 1995, Motorola, a supporter of the Museum's "Ocean Planet" exhibition, donated funds to support an intern in 1995 and 1996. One of the recipients, Glenn Almany, a student of marine biology at San Francisco State University, began work this year with Drs. G. David Johnson and Carole Baldwin, Department of Vertebrate Zoology.

The Museum's Naturalist Center closed temporarily on April 2, 1995, while NMNH undergoes extensive renovation. In cooperation with Loudoun County, Virginia, the Center reopened in September on the campus of the Xerox Document University near Leesburg. The Naturalist Center will return to the Museum in 1998. Magda Schremp, Head of the Docent Program at NMNH, was successfully involved in recruiting docents for the relocated Center. Due to excellent press in the Loudoun County newspapers, a number of very qualified volunteers will work with county teachers and museum staff.

NMNH Docent Anne Marie LaPorte gave a highlight tour of the Museum for the creative staff of Lancit Media, who are working to develop a weekly Smithsonian TV program for children between 8-12 years of age.

The Museum's Fossil Preparation Laboratory reopened during the summer and is once again staffed with preparators. Visitors to the Laboratory can see how remains of dinosaurs and other ancient creatures are extracted from surrounding rock and preserved for study and display.

"Bug Fest 1995," a day-long Museum presentation dedicated solely to insects, was held in late September. Various display tables were set up throughout the building, including: insects as food, insect identification tables, collecting and preserving tables, canopy collecting, scientific illustration demonstrations, and fossil insects. Curators, technicians, illustrators, and educators from the Museum, the Department of Agriculture, and the Department of the Army shared their knowledge of arthropods with hundreds of visitors of all ages.

NMNH Department of Education staff participated in the Ocean Planet Teacher's Night at the Museum, an event organized by the SI's Office of Environmental Awareness. Approximately 150 teachers participated.

In April, the Museum hosted its first Open House "Expedition" for members of Congress and the Administration and their families. This successful event was organized by the NMNH's Office of Development and Public Affairs with the cooperation of its Senate of Scientist. A major objective was to make a direct link between the research staff at the Museum and the congressional community.

## *National Zoological Park*

*Michael H. Robinson, Director*

The National Zoological Park (NZP) continues its transformation into a biological park that emphasizes the diversity and interdependence of plants and animals. New exhibits on its 163-acre Rock Creek facility in Washington, D.C., such as Amazonia, Invertebrate Exhibit, Wetlands, and Cheetah Conservation Station, do away with the unnatural separation of plants and animals that characterize most zoos. These exhibits broaden appreciation for the ecological relationships among living organisms.

Scientific studies conducted at Rock Creek, the 3,150-acre Conservation & Research Center in Front Royal, Virginia, and at various locations nationally and overseas, furthered both the NZP's effort to advance the understanding of biological and veterinary science and its effort to preserve disappearing species and habitats worldwide.

Jomu, a history-making cheetah, became a part of the National Zoo's Cheetah Conservation Station. The twenty-one month old female was one of the world's first cheetahs produced by artificial insemination. Jomu was a product of new research in assisted reproduction of endangered cats conducted at the Caldwell Zoo in Tyler, Texas, by staff from the NZP's New Opportunities in Animal Health Sciences (NOAHS) Center.

Griff, The National Zoo's 13-year-old Masai giraffe, gave birth to a 114 pound female calf on June 5, 1995. The 5'10" tall calf was Griff's fourth and 16-year old Lionel's ninth. The baby giraffe dropped to the ground at 2:26 p.m., amid cheers from onlookers. The newborn stood and took its first stumbling steps in just 28 minutes. Masai giraffes, although not endangered, are not common in North American zoos.

Kumari, the National Zoo's female elephant calf, collapsed and died on April 26, 1995. She was 16 months old. Kumari was the first elephant born at the Zoo. She died of a type of herpes virus that is not found in humans. The Zoo's pathology department has launched a full scale investigation into the origin and prevalence of this pathogen. The pathologists are studying the possible negative impact of this virus on the breeding of elephants in zoos. Efforts to increase zoo elephant populations are critical since their numbers in the wild are declining.

The Department of Zoological Research established a BioVisualization Laboratory. Orchestrated by Dr. Alfred Rosenberger, this state-of-the art computerized system incorporates digitized 3-D imaging and animation. These tools will allow biological and cultural artifacts, such as animal skulls, to be rendered as three dimensional digital specimens. Objects available in a digital catalog can be studied in virtual reality. The accuracy is so great that scientific research will be conducted on the images, which are digitized using a laser beam input device.

The Office of Public Affairs organized "Forever Changed: Birds on the Hawaiian Islands"—an all-Smithsonian symposium that featured scientists Helen James and Storrs Olson from the National Museum of Natural History and Rob Fleischer and Scott Derrickson from the NZP. These four discussed the history and conservation status of Hawaii's remarkable bird radiation and the discovery of recently extinct birds that provided DNA samples for analyses that forced scientists to rethink evolutionary relationships between Hawaiian avifauna.

The Friends of the National Zoo (FONZ) began FY '95 by initiating its first annual ZooArts Festival featuring a number of prominent Washington area artists and photographers as well as the works of local high school students and community groups. In the spring of '95, FONZ constructed and opened a modern gift and food service facility at Panda Plaza and celebrated its twelfth annual gala fund-raiser, ZooFari, which netted a record \$240,000 for NZP exhibition, education, conservation and research programs. In the summer, FONZ also launched its first series of week-long overnight wildlife conservation camps for children at the NZP Conservation & Research Center in Front Royal, Virginia. FONZ volunteers also contributed over 100,000 hours of assistance that supported a variety of projects.

The NZP won three major awards at the annual meeting of the American Zoo and Aquarium Association (AZA): the top Conservation Award for the NZP's outstanding Golden Lion Tamarin Conservation Program (in FY '95 NZP marked its first decade of success in reintroducing golden lion tamarin monkeys back to Brazil); shared with two other U.S. zoos the Edward H. Bean Award for Excellence in Conservation for collaborative work on behalf of the endangered tiger; and a Significant Achievement award for breeding Matschie's tree kangaroo (at the Conservation & Research Center).

The Conservation & Research Center, Environmental Systems Research Institute, Inc. and Hewlett-Packard Company collaborated in forming a consortium, The Conservation Technology Support Program, to provide computer hardware, software and training to non-profit conservation organizations in the U.S. and abroad. This program will make it possible for biologists to more effectively analyze the environmental impact of land and natural resource utilization.

NZP and the Fairfax County Public Schools' Office of Media Services co-produced four separate "Science Safari" programs that targeted elementary school students, and an "Electronic Field Trip" that was aimed at middle school students. Related curriculum materials were created and distributed to participating schools. The programs were broadcast to schools nationally via satellite downlink or cable TV systems.

A novel underwater videotape camera provided by the National Geographic Society was employed by a team of scientists led by NZP's Dr. Daryl Boness to gather never-seen-before underwater images of and data on harbor seal behavior. The team traveled to Sable Island in the North

Atlantic Ocean to temporarily attach cameras to the backs of the seals.

The first breeding outside of the wild of a Hawaiian honeycreeper was achieved at the Conservation & Research Center in 1995. This unusual bird, an i'iwi (*Vestiaria coccinea*) (pronounced ee'eevee), was hatched on 25 May, and was subsequently raised to independence by its parents. Several non-endangered types of honeycreepers, including the i'iwi, are being used at the Center as "research surrogates" in order to develop husbandry and propagation techniques for a number of Hawaii's highly-endangered avian species.

The lobby of the Education Building was the location for "Impressions of Another Land," an exhibition of children's art. The artists were grade 4 students from Sydney, Australia, and Chevy Chase, Maryland. The children drew a remarkable series of pictures of Australian animals—the Sydney students from their own personal experience; the Marylanders from photos and videotapes.

## Office of Fellowships and Grants

*Roberta W. Rubinoff, Director*

The Office of Fellowships and Grants supports and enhances research at the Institution, throughout the nation, and overseas by linking the Smithsonian with students and scholars from universities, museums, and research organizations. Through fellowships, internships, and other visiting academic appointments, the Smithsonian maximizes the use of its vast and unusual resources and provides an important complement to more formal modes of education. The office manages centralized fellowship and internship programs and all other stipend appointments, some of which are designed to increase minority participation in Smithsonian research activities and disciplines. Two competitive grant programs providing scholarly support for Smithsonian professional staff also are administered by the office.

Approximately 900 students, scientists, and scholars from the United States and abroad received appointments to use the Institution's facilities and collections. These awards included stipends for visiting scholars and students, internships, and short-term travel grants. Of the 66 awards made under the Smithsonian Fellowship Program, 21 percent went to students and scholars from underrepresented groups.

With support from the Educational Outreach Fund, the office coordinated a seminar series given by nine Smithsonian research staff members at 16 large U.S. universities with a significant number of students from underrepresented groups. Students and faculty learned about some of the research being conducted at the Smithsonian and about the opportunities available to them here.

Dr. Pedro E. Leon Azofeifa from the School of Medicine at the University of Costa Rica received the second George E. Burch Fellowship to study the evolution of regulatory gene clusters in vertebrates.

In the Smithsonian-wide Scholarly Studies Program, 22 grants were awarded to provide up to two years of research support in Smithsonian disciplines.

## *Office of International Relations*

*Francine C. Berkowitz, Director*

Since its inception, the Smithsonian has been an international organization. To limit the scope of the Smithsonian "to one city, or even to one country," argued the Institution's first Secretary, Joseph Henry, "would be an invidious restriction" of the terms of founder James Smithson's bequest. Over the course of the last 150 years, then, Smithsonian researchers have ranged the globe, conducting research, assembling museum collections, and participating in cooperative museum programs in almost every country of the world.

Thirty years ago this year, the Smithsonian first established an international office, in order to provide diplomatic support for its increasingly complex programs abroad and to assist with the technical details of the international exchanges of museum collections and personnel. The Office of International Relations (OIR) today serves as the point of contact and channel of communications for the Smithsonian with foreign institutions or individuals, with international organizations, and with government agencies. The OIR provides coordination for the various interests abroad of the different parts of the Institution, and maintains the Smithsonian's central reference source for information on the international activities undertaken by its museums, research institutes, and program offices. Grants for research in a limited number of countries abroad are provided through the Smithsonian Foreign Currency Program, which is administered by the OIR.

During 1995, OIR obtained nearly 200 foreign visas for Smithsonian travelers, and provided U.S. visa documentation for almost 190 foreign researchers and interns working at Smithsonian and at other kindred institutions in this country.

The office handled arrangements for more than 90 official government visits to the Smithsonian during the past year, including those of the Queen of Thailand, the President of Cape Verde, the President of the Polish Academy of Sciences, and the South African Minister of Arts, Culture, Science, and Technology. During 1995, OIR assisted in the drafting of several international agreements and arranged for research and specimen export permits in a number of foreign countries where Smithsonian staff conducted research.

Staff of the OIR represented the Institution at international meetings and conferences in South Africa, Ghana, India, Mo-

rocco, and Norway. The OIR served as host at the Smithsonian for events honoring a U.S.-Slovak physicist, a Danish-American photographer, an Indian poet, and a Cape Verdean artist.

The December 1994 opening of the Cape Coast Castle Museum in a former slave-trade fortress in the West African nation of Ghana marked a milestone in international cooperation for the Institution. With assistance from several Smithsonian divisions, and funding support from USAID, the OIR coordinated an effort to train Ghanaian staff in museum techniques, and assist in the development of the opening exhibition there on the African diaspora. Work is currently underway further down the coast of Ghana on the restoration and exhibition development at another World Heritage site, Elmina Castle.

## *Office of Smithsonian Institution Archives*

*Edie Hedlin, Director*

The Office of Smithsonian Institution Archives spent this year preparing for the Smithsonian's 150th anniversary. The Institutional History Division developed research tools, programs, publications, and presentations on the history of the Smithsonian and its workers. The Archives Division made substantial progress on its enlarged and revised *Guide to the Smithsonian Institution Archives* and received a grant from the Atherton Seidell Endowment Fund to publish the new edition during the anniversary year. The National Collections Program expanded its annual *Collection Statistics* report and plans a special issue for 1996.

The Archives Division opened a cold storage facility for special media on the grounds of the National Zoological Park's Conservation and Research Center in Front Royal, Virginia. The facility provides a steady, cool, and dry environment for the long-term storage of microfilm, motion picture film, audiotape, and videotape.

The Archives Division, on behalf of the Archives and Special Collections Council and with support from the James Smithson Society, published an updated and expanded brochure, *Archival, Manuscript, and Special Collection Resources*, which outlines the many documentary collections maintained throughout the Smithsonian.

The Institutional History Division produced two databases—a bibliography and a chronology—that support research into Smithsonian history. Both databases are available online through the Smithsonian Institution Research Information System and are accessible on the Internet. Staff members are working on other databases, including a historical photograph database expected to come online in 1996, and organizing several exhibits for the 150th anniversary year. During 1995, the Joseph Henry Papers Project staff completed text ed-

iting of volume 8 of the papers of the Smithsonian's first secretary.

With the Center for Museum Studies, the National Collections Program cosponsored an introductory workshop on managing museum collections for staff in small, emerging, minority, and rural museums.

## *Smithsonian Astrophysical Observatory*

*Irwin I. Shapiro, Director*

### Summary

The Smithsonian Astrophysical Observatory (SAO) is dedicated to the "increase of knowledge" through the discovery and explanation of those physical processes that determine the nature and evolution of the universe, and to its "diffusion" through the dissemination of research results to the scientific community, the creation of educational materials for teachers and students, the training of teachers, and educational outreach to the general public.

Headquartered in Cambridge, Massachusetts, SAO is joined with the Harvard College Observatory in the Center for Astrophysics (CfA), which has more than 250 professional staff engaged in a broad program of research in astronomy, astrophysics, and earth and space sciences organized by divisions: atomic and molecular physics, high-energy astrophysics, optical and infrared astronomy, planetary sciences, radio and geoastronomy, solar and stellar physics, and theoretical astrophysics. Observational data are gathered by instruments aboard rockets, balloons, and spacecraft, as well as by ground-based telescopes at SAO's Fred Lawrence Whipple Observatory in Arizona and Oak Ridge Observatory in Massachusetts, and at a millimeter-wave radio installation in Cambridge.

Current initiatives include the completion of an array of telescopes operating at submillimeter wavelengths, to be placed at a site near the summit of Mauna Kea, Hawaii; the conversion of the Multiple Mirror Telescope to a single-mirror instrument 6.5 meters in diameter; and preparation for the launch of space experiments in x-ray, submillimeter, and solar astronomy as well as the flight of a hydrogen maser clock aboard a joint US-Russian mission.

### Atomic and Molecular Physics Division

*Kate Kirby, Associate Director*

The Atomic and Molecular Physics Division carries out research in a broad range of theory, experiment, and observations intended in large part to understand those atomic and molecular processes applicable to astrophysical environments and the terrestrial atmosphere. To help interpret astronomical data and to provide more accurate data for astrophysical diag-

nostics, the AMP laboratory conducts experiments to measure dielectronic recombination coefficients, electron-impact excitation cross sections, radiative transition probabilities and photoabsorption cross sections. Other experimentalists conduct research in stratospheric chemistry via balloon-borne and satellite-borne instruments. Division staff also administer and participate in the Institute for Theoretical Atomic and Molecular Physics (ITAMP). Over the last seven years, the Institute has been extremely successful in attracting leading theorists in the field to visit and collaborate with each other, and in supporting a number of graduate students and postdocs to conduct independent research in forefront areas of theoretical atomic, molecular and optical physics. Funding for ITAMP comes from the National Science Foundation.

### High Energy Astrophysics Division

*Stephen Murray, Associate Director*

Research in high-energy astrophysics concentrates on some of the most energetic objects and processes in the universe. Studying their x-ray emission is essential for understanding their formation, evolution, and ultimate fate. Because x-rays are absorbed by the Earth's atmosphere, observations must be made from balloons, rockets, and satellites. Thus, approximately 90 percent of the support for programs in this division is provided by NASA contracts and grants. For example, the Advanced X-ray Astrophysics Facility (AXAF) will represent the highest resolution, most sensitive x-ray telescope ever to be flown; and, in preparation for launch in 1998, SAO has been involved in the fabrication and testing of its special optics and the design and construction of its High Resolution Camera. In addition, SAO is the site for the AXAF Science Center (ASC) which will receive, analyze, and archive AXAF data and function as a central clearinghouse of information and support for astronomers using the facility. During the construction of AXAF, the ASC will provide support for testing and verification of the ground system, for mirror and instrument calibration, and for planning orbital operations which relate to science data.

### Optical and Infrared Astronomy

*John Huchra, Associate Director*

Optical and infrared data are fundamental to astronomy, and research in this division includes observational cosmology, searches for extrasolar planets, infrared observations of star-forming regions of the galaxy, atmospheric chemistry, optical interferometry, and gamma-ray astronomy. This division is also charged with the operation of—and the development of instrumentation for—the ground-based facilities operated by CfA: the Fred L. Whipple Observatory (FLWO), the Multiple Mirror Telescope (MMT), and the Oak Ridge Observatory (ORO). Users of these telescope facilities come from almost every division at the CfA and also include scientists from many other national and international institutions.

## Planetary Sciences Division

Brian Marsden, Associate Director

Research in Planetary Sciences is carried out along observational, laboratory, computation, and theoretical lines by scientists with training either in geology or in astronomy/astrophysics. Traditionally, this division has been concerned with the small bodies of the solar system, including meteors, with particular interest in the positional observation and orbital determination of comets and minor planets. This division also serves as headquarters for the International Astronomical Union's Minor Planet Center and Central Bureau for Astronomical Telegrams. Among specific projects is a study of the long-term effects of Jupiter and Saturn on the population of the outer part of the asteroid belt. Another effort seeks to increase significantly the rate of discovery and appropriate followup of near-Earth asteroids (or comets). Geological research mainly involves the petrology of extraterrestrial materials, in particular meteorites and lunar samples. Other research involves the early conditions in the primitive solar nebula.

## Radio and Geoastronomy

Mark Reid, Associate Director

Research in the Radio and Geoastronomy Division covers a wide range of topics in radio astronomy, including the study of the formation of stars, evolved stars, supernovae, the structure of the Milky Way, and extragalactic radio sources. Observations of continuum and spectral line sources are conducted with a wide variety of instruments ranging from single antennas to interferometers such as the Very Large Array (VLA). The Division is currently in the process of building a major astronomical facility: a 6-element submillimeter wavelength telescope array (SMA) to be located near the summit of Mauna Kea, Hawaii. The SMA is intended to make observations with unprecedented resolution in the still largely unexplored submillimeter band between radio and infrared wavelengths. Other research in the division includes the application of radio astronomy techniques to the study of geophysical problems, tests of general relativity, and the development of atomic clocks. Also, designs for satellite-borne optical interferometers and space-based applications of tethered satellites are being developed.

## Solar and Stellar Physics

John Raymond, Associate Director

Scientists in the Solar and Stellar Physics Division carry out a wide range of research projects using data from x-ray and ultraviolet satellite observatories and telescopes on the ground. Major themes include the study of stellar coronae based on ultraviolet emission, investigation of the formation and early development of stars, and analysis of the surface layers of the Sun.

The atmosphere of the Sun, our nearest star, contains complex magnetic structures which influence both solar radiation and the solar wind—the stream of energetic particles ejected at high speeds that bathe the bodies of the solar system, including Earth, with profound impacts on life. By designing and building increasingly sophisticated experiments to study the Sun's hot outer atmosphere, SAO scientists were the among first to identify the dominance of magnetic fields. In addition, the SAO-inspired interdisciplinary study of the Sun and stars has applied detailed knowledge of the solar corona to understand those processes which govern the coronae of distant stars. SAO also continues to study cycles and activity in stars like the Sun, with the goal of identifying and predicting the behavior of our own star.

## Theoretical Astrophysics

A.G.W. Cameron, Associate Director

An underlying goal of astrophysical research is to understand as much of the universe as possible within the current state of technological development. Data come from astronomical observations carried out with equipment collectively sensitive to the entire range of the electromagnetic spectrum—from long-wavelength radio waves to very short-wavelength gamma rays. In the last three decades, access to space and the technological development of sensitive new detectors and fast computers has revolutionized the gathering of data about the universe. Transforming that data into information and understanding is the role of theory. The increasing use of supercomputers to construct analytical models of objects, or simulations, has transformed the theoretical approach to such an extent that computational astrophysics is now considered on par with observational and theoretical astrophysics. Computational astrophysics requires that the simulation programs incorporate enough detailed physics for the results to bear a close resemblance to reality. This division attempts to apply such an analytical and computational approach to understanding the universe.

## SAO Highlights of 1995

### *Research*

An experiment to probe the fundamental laws of physics by searching for evidence of a permanent electric dipole moment in an atom led to development of an innovative technique for the laser magnetization of xenon gas. In a cooperative program with doctors at Harvard Medical School, the laser-generated xenon is being applied to the enhancement of magnetic resonance imaging (MRI) to allow imaging of parts of the body, such as the brain, which cannot be imaged well with current techniques.

Smithsonian Astrophysical Observatory scientists and their colleagues found by far the best evidence for the existence of massive black holes. The discovery was based on radio observations of swirling gas orbiting a very dense concentration of material with the mass of about 40 million Suns.

Analysis of data from SAO's Ultraviolet Coronal Spectrometer that flew aboard the Spartan 201-2 satellite in September 1994, revealed the presence of a remarkably hot gas in the atmosphere above the Sun's south pole, a finding that offers clues to the origin and nature of the solar wind.

An SAO scientist was a member of the team that used the Hubble Space Telescope to gather evidence showing the clouds of hydrogen gas found between galaxies at distances of billions of light-years from Earth are at least 1 million light-years in diameter, or about 10 times larger than previously thought, and may have unexpected sheet-like structure.

Hubble Space Telescope observations by SAO astronomers of faint stars deep inside a globular cluster provided strong evidence for the existence of cataclysmic variables, violently interacting double-star systems that may hold clues to the evolution of the clusters, which contain some of the oldest stars in the Universe.

A large international team of radio astronomers, including SAO scientists, used the high-resolution capability of Very Long Baseline Interferometry to obtain the closest—and earliest—view of the expanding shell of gas and dust of a recently exploded supernova, which maintained remarkably precise circular symmetry.

The analysis of VLBI measurements of the time delay in the arrival of radio signals from distant quasars passing near the Sun made by a team led by SAO scientists produced the most accurate measurement yet for the deflection of radiation by gravity predicted by Einstein's theory of general relativity.

SAO scientists participated in radio observations of the Earth-crossing asteroid Toutatis that revealed the object has a highly irregular shape and a complex "tumbling" rotation, making it one of the strangest objects in the Solar System.

### *Instrumentation*

An instrument designed to monitor ozone levels in the Earth's atmosphere was launched from French Guiana April 20 aboard ESA's second European Remote Sensing Satellite (ERS-2). The Global Ozone Monitoring Experiment, or GOME, was developed at SAO in cooperation with European scientists and is designed to generate a complete world ozone map every three days.

Ground was broken June 8 for an array of submillimeter-wave radio telescopes near the summit of Mauna Kea, Hawaii.

An SAO submillimeter telescope (AST/RO) was installed at the South Pole in January to study giant molecular clouds in the Milky Way.

Modifications of the existing MMT building were begun in July in a major step toward the conversion of that six-mirror telescope into a single-mirror instrument 6.5 meters in diameter.

Preparations for the launch in 1998 of the Advanced X-Ray Astrophysics Facility (AXAF) continued apace at SAO. The telescope's unusual cylindrical mirrors were completed for coating, with surfaces far exceeding the minimum requirements; and the High Resolution Camera being constructed at SAO passed its Critical Design Review.

Environmental testing of the SAO-designed Ultraviolet Coronagraph Spectrometer, one of the major instruments aboard the international Solar and Heliospheric Observatory (SOHO), was completed in July and the instrument was shipped to the Kennedy Space Flight Center in preparation for launch.

As the US Data Center for the Spectrum-X-Gamma (SXG) mission, an international collaborative space x-ray observatory led by the High Energy Division of the Institute for Space Research in Moscow, SAO will collect and archive data from the mission and make the information available worldwide through the Internet. Computers allowing Russian scientists easy accessibility to the data were shipped from SAO to the Institute June 26, in time for a meeting between U.S. Vice President Al Gore and Russian Premier Viktor Chernomyrdin. The SXG mission will conduct multiple experiments in a broad wavelength range—from ultraviolet through x rays to gamma rays.

The Fourth International Conference on Space Tether Systems was held at the Institution in April with the joint sponsorship of SAO, NASA, and the Italian Space Agency.

### *Public Education and Outreach*

In autumn 1994, thousands of teachers across the country participated in a nationally broadcast series of interactive videos produced by the Science Education Department and designed to demonstrate how student misconceptions interfere with the learning of science and mathematics.

In spring 1995, SAO published "Space for Women," a 20-page booklet designed to encourage young women to pursue careers in astronomy.

The Whipple Observatory's Visitor Center in Arizona officially opened on January 6. The Center features exhibits on astronomy, natural science, cultural (and Smithsonian) history, and the environment.

For the second year, the SAO Summer Intern Program brought a dozen college undergraduates to Cambridge to work with SAO scientists on a variety of research projects.

## *Smithsonian Environmental Research Center*

### *David L. Correll, Director*

The Smithsonian Environmental Research Center (SERC) maintained its research and education programs with a focus on the interactions of plants and animals with their environment. Construction of a new office and education buildings was initiated. A design package was completed for the fourth phase of the Charles Mathias Laboratory Building. A new boat launching ramp and small buildings for storing boat accessories and dispensing boat fuel were completed.



This year SERC scientists published 35 research papers as a result of a series of ongoing atmospheric, terrestrial, and aquatic studies. Measurements were made of incident and undersea spectral irradiance, especially of ultraviolet B wavelengths, over the Weddell-Scotia confluence in Antarctica during the austral spring in October, 1993, during the transit of a low ozone "hole". The intensity of the shortest wavelengths, such as 304 nm, increased significantly. Such increased doses of ultraviolet radiation were simulated on an oceanographic research ship and natural phytoplankton, especially diatoms, were exposed to test whether they were able to synthesize ultraviolet-absorbing compounds as a defense mechanism. Pigments such as mycosporine-like amino acids increased and could help protect the diatoms from increased ultraviolet radiation.

SERC scientists have been conducting a long-term study of the effects on plant communities of elevated carbon dioxide concentrations, such as are anticipated to occur on Earth 50 years from now. Respiration of C<sub>3</sub> plants is strongly inhibited by elevated carbon dioxide. This, in combination with increased photosynthesis, results in large increases in plant biomass. Studies of these C<sub>3</sub> plants have now shown that the mechanism of inhibition of respiration is a reduction in the concentration of cytochrome c oxidase. Plants grown in elevated carbon dioxide also had more non-structural carbohydrates and less ribulose biphosphate carboxylase, a key enzyme for photosynthesis. Thus, they had less photosynthetic capacity per weight of tissue, but the whole plants still out-produced normal plants in ambient carbon dioxide concentrations.

With concerns over the possible thinning of the stratospheric ozone layer and the resultant increase in ultraviolet-B (UVB) radiation at the Earth's surface, SERC scientists conducted studies of the relative penetration of UVB and white light into hardwood deciduous forests. Under closed canopies, mean UVB transmittance through the canopy was only 1 to 2% of incident radiation. This transmittance increased to 30% during the leafless season. Vertically, the UVB radiation was extinguished rapidly, with 40-70% absorbed by the top 25% of the canopy. When compared with white light penetration, UVB had a higher transmittance.

Nitrogen is a key nutrient in receiving waters, such as Chesapeake Bay. When these waters receive too much nitrogen, algae become too productive resulting in reduced levels of dissolved oxygen at night or in deep stratified layers of water. In the case of Chesapeake Bay, much of the nitrogen inputs arrive as nitrate, ammonium, and organic nitrogen dissolved in rain water. SERC scientists have measured the volume and nitrogen contents of each rainfall event for 20 years. Nitrate is the most abundant nitrogen nutrient in the rain and its delivery via the rain has more than doubled over this period. Ammonium is the second most abundant and its delivery has also more than doubled. Organic nitrogen delivery fluctuated but declined, if anything, over this time period.

SERC scientists also have conducted long-term studies of how the rates of discharge of nutrients from subwatersheds of

Chesapeake Bay vary with geology, land use, and variations in weather. Nutrient concentrations were measured for 153 streams in various parts of the Coastal Plain, Piedmont, and Appalachian physiographic regions. Concentrations of nitrate were strongly related to land use within any one geologic region, with low concentrations in streams draining forested lands and high concentrations in streams draining agricultural lands. However, under conditions of similar land use, concentrations of nitrate were much higher in Piedmont and Appalachian streams than in Coastal Plain streams. This was primarily due to the fact that groundwater draining Coastal Plain streams has a relatively shallow trajectory, which allows the vegetation in the stream riparian zone to intercept more nitrate than in the other regions, where groundwater pathways are often too deep for plant roots to have an effect.

Another study by SERC scientists found that agricultural livestock populations in the Chesapeake Bay region release significant concentrations of hormones into streams and the Bay. An important source of estrogen in streams is chicken manure that is spread on farm fields as fertilizer. Another source of estrogen and testosterone was sewage treatment plant effluent. Testosterone was found in the streams during the growing season, but not during the rest of the year. Estrogen reaches the streams by surface runoff during storms, while testosterone reaches the streams in both groundwater and surface runoff.

The blue crab is presently the most important fishery in Chesapeake Bay. A better understanding of its biology and ecology is fundamental to maintaining this species in the Bay. SERC scientists use ultrasonic telemetry to study the behavior of blue crabs in the turbid waters of the Bay. Although adults, on average, move faster and stay in deeper water, both alternate between periods of slow meandering movement with faster, directionally-oriented movement. Fertilized females migrate long distances into high salinity areas near the mouth of the Bay to incubate their eggs. They complete this migration cycle only once per two to five year generation. Adult abundance is determined by both recruitment and survival of juvenile crabs. Cannibalism by large blue crabs was the source of 75 to 97% of the mortality of juvenile crabs. By seeking refuge in the shallows juveniles avoid some of this cannibalism.

The European green crab has been introduced to the west coast of North America with an initial population developing in San Francisco Bay. SERC scientists have been monitoring the expansion of the green crab range and the mechanisms of expansion. These studies also show that this exotic crab is impacting the populations of clams and amphipods in estuarine habitats.

The education program at SERC also had a successful year. Many visiting groups took part in such activities as the Java History Trail, the Discovery Trail, canoeing on the tidal creek, and estuarine activities in the shoreline area. These groups included handicapped, elderly, children, and minorities. SERC also hosted a large number of workshops and educational outings for teachers, administrators, and scientists. At SERC these groups can combine meetings and lectures with seeing



field research in action within a wide variety of natural habitats.

SERC also continued a very successful work/learn internship program for undergraduate and beginning graduate students. This is a competitive international program.

Prospective interns apply to work with a SERC staff scientist or educator on a specific project. In addition, SERC staff and facilities attracted a large number of graduate students, post-doctoral fellows, and visiting scientists.

## *Smithsonian Institution Libraries*

*Barbara J. Smith, Director*

The Getty Grant Program awarded the Smithsonian Institution Libraries support for a three-year project to create an Online Index and Finding Guide to the Literature of African Art and Culture which is being developed for access on the Internet as part of the Libraries' online catalog. Responding to the public's growing interest in non-Western art, the index of 52,000 citations was created by Janet L. Stanley, National Museum of African Art Branch Librarian, to identify source materials in this expanding field.

The Libraries' online catalog has been available on the Internet since January at *telnet://iris.si.edu*; and a second edition of a CD-ROM of the Libraries' catalog, *Smithsonian On Disc*, was published by G. K. Hall, Macmillan. This year the Libraries launched an Electronic Republishing program with a pilot project funded by the Institution's Atherton Seidell Endowment. The full, searchable text of two volumes in the Smithsonian's Bureau of American Ethnology series of Native American anthropology studies is being prepared for electronic dissemination and will be available on the Libraries' World Wide Web site to Internet users around the world, making a contribution to The National Digital Library.

All eighteen branch libraries now offer users access to the World Wide Web, and several branches have created Home Pages with links to external reference materials. Branch staff held training sessions to assist the Smithsonian research community in making use of the resources from all over the world now available electronically. The Libraries' CD-ROM Network, accessible in most branches and in many Institution offices, was upgraded to increase the number of CD-ROMs that are available to users at one time. An agreement with the Library of Congress has expedited access to and delivery of materials from that facility to Smithsonian library users. The Management and Systems Division's Shipping and Receiving section decreased turn-around time for library materials by processing shipments using a new automated system. Thanks to a grant from the Smithsonian Women's Committee, the Libraries now has software to enlarge type on the screen so that visually impaired users can read from the screen, and thereby

access computer-based information, including the Libraries' online catalog and databases from the CD-ROM Network. SIL also purchased a closed-circuit tv enlarger to give visually impaired library users access to printed material. The equipment was installed in the Museum Reference Center, a centrally located branch on the Mall.

A major event in 1995 was the opening of new and renovated facilities at the Smithsonian Tropical Research Institute (STRI) Branch Library in Panama, both funded by the Tupper Foundation. A new Library Annex provides four levels of stacks to house the collections, and the library building itself was renovated to provide better services for STRI Branch Library, the premiere Central American research library for the scientific community since 1956. These facilities will assist Libraries staff in serving the 18,000 library users who come annually, including an international body of students in the natural sciences and anthropology, and students in biological sciences from the University of Panama.

The installation of compact shelving in the Dibner Library of the History of Science and Technology (located in the Museum of American History) has doubled the stack size, increased work space for staff, brought the facility into conformance with the American with Disabilities Act regulations, and upgraded the electrical system connections for researchers' computers. New dataloggers — electronic hygro-thermographs that can be read from a remote location — in the Libraries' rare book locations have brought greater efficiency to the crucial task of monitoring the environmental conditions in those areas accurately. The Women's Committee provided funds for rare-book foam supports that ensure proper handling of rare books during use by researchers. In May the Libraries appointed William E. Baxter head of its Special Collections Department.

The Smithsonian Institution Libraries' exhibition *Science and the Artist's Book*, co-sponsored by the Washington Project for the Arts, explores how scientific ideas can stimulate artistic creation. The year-long show displays original artist's books inspired by and displayed with pioneering scientific studies from the rare-book collections of SIL's Dibner Library of the History of Science and Technology. The exhibition, curated by book artist Carol Barton and the Libraries' Rare Book Cataloguer Diane Shaw, opened at two venues, Part 1 in the Libraries Exhibition Gallery located in the National Museum of American History, and Part 2 at the Washington Project for the Arts, the co-sponsor, in late May. This cooperative effort featured twenty-seven original artist's books created specifically for this show by leading book artists from around the country displayed with major publications in the history of science and technology from the Dibner Library. Twenty-two of the participating artists attended the opening reception. Supported by the Glen Eagles Foundation and the Smithsonian's Special Exhibition Fund, the exhibition honors the gift of the Dibner Library in 1976 and focuses on one of the Libraries' core strengths, the history of science and technology. The exhibition was featured in the illustrated article,

"Science Defined by the Hands of a Book Artist" in *Smithsonian* magazine (June 1995) and, with its own Web server installed, Libraries' staff began scanning images and marking up text for an electronic version of this exhibition.

In conjunction with *Science and the Artist's Book*, Roald Hoffmann, Cornell University's Nobel laureate in chemistry, poet, and author, delivered the 1995 Dibner Library lecture on "Chemistry Imagined" which explored connections between science and art. The lecture was supported by The Dibner Fund. The Libraries presented four public programs of music about balloons written between 1890 and 1910, from the collections of the National Air and Space Museum (NASM) Branch. Performed by the U. S. Navy Band Sea Chanters, the musical programs were presented in conjunction with the Libraries' exhibition, *Balloons: the Birth of Flight, 1783-1793* which was on display in the Libraries Exhibition Gallery from September through April. *Into the Blue: Materials from the National Air and Space Museum Branch*, an exhibition in the Library Hall of the Natural History Building where the Libraries' central administrative offices are located, featured additional ballooning materials from the NASM Branch. It was curated by NASM Branch Librarian Dave Spencer and NASM Reference Librarian Paul McCutcheon with the assistance of two interns. Claire Dekle and staff of the Book Conservation Laboratory created the subsequent exhibition for the Library Hall, *Nineteenth-century Publishers' Cloth Bindings*.

In August *Rare Books and Special Collections in the Smithsonian Institution Libraries*, supported by The Dibner Fund, was published by the Smithsonian Institution Press. This 108-page visual survey of the Libraries' most distinctive and valuable research materials in a wide sweep of disciplines contains more than 60 images (over forty in color) and is available from the Press and in Museum Shops.

Despite limited acquisitions funds for book purchases, the Libraries was able to enrich its collections through the generosity of donors. Proceeds from the S. Dillon Ripley Library Endowment funded the purchase of over 50 notable books for seventeen of the Libraries' eighteen branches. Other significant acquisitions came from donations to three memorial funds and from the newly established Wells Endowment Fund in memory of John W. Wells and Ellen B. Wells. More than 100 individuals and many corporations and institutions donated books and other library materials this year. The Libraries welcomed a major gift of a microfilm copy of *Trade-a-Plane* magazine from TAP Publishing Company, including a printing copy, a user copy, and a cabinet to house the film. Representing the company, Jean Durfee presented the gift of 114 reels of microfilm which preserves the run of the magazine from its beginning in 1937.

Following the departure of the deputy director, head cataloguer, and several staff during a federal downsizing initiative at the beginning of the year, Director Barbara J. Smith reorganized the Libraries into three divisions, consolidating all technical services departments—cataloging, acquisitions, preservation—and special collections under the Collections

Management Division. Several economies were achieved by combining Management and Systems into a single division; and the Research Services Division continues to oversee the branch library system that serves users in fourteen locations in the Washington metropolitan area as well as in Cambridge, Massachusetts, New York City, Edgewater, Maryland, and the Republic of Panama.

The Libraries is currently serving as the host institution to CAPNET (Capitol Area Preservation Network), a regional group of preservation officers and conservators in libraries and archives. The group, which fosters information and resource sharing and plans educational activities, co-sponsored a program in April with the Library of Congress on emergency preparedness and response. Tom Garnett, Systems Department head, was nominated and served as a Fellow for Excellence in Government during 1994-1995. His project was opening the treasures of the Libraries to a wider audience through establishing the Libraries' Web server. Working with an automation project funded by the Andrew W. Mellon Foundation, Margaret D'Ambrosio, Cataloguer, went on leave to serve as resource librarian at the Bibliotheca Berenson, the Harvard Center for Renaissance Studies in Fiesole, near Florence, Italy. Libraries' staff presented papers at several association meetings, and published articles and reviews in professional journals. The Dibner Library hosted two new SIL/Dibner Library Resident Scholars during the year, thanks to support from The Dibner Fund. Six interns from library schools and colleges around the country worked in branch libraries and one intern assisted in the Systems Department. This year, the Libraries circulated 243,855 items, processed 51,076 inter-library loan requests, acquired by purchase or gift 19,700 books and other library materials, and answered 56,682 reference questions.

## *Smithsonian Tropical Research Institute*

*Ira Rubinoff, Director*

During FY 95 the Smithsonian Tropical Research Institute (STRI), based in the Republic of Panama, continued its efforts to increase our understanding of tropical nature and peoples and to communicate this knowledge internationally. To carry out its mission, STRI operates tropical forest and marine field stations, well-equipped laboratories, a research vessel, and a major tropical sciences library. These facilities support the work of 35 staff scientists and hundreds of visiting researchers and students that in FY 95 came from around the world.

From October 16-18 STRI scientists and administrators held a retreat on Taboga Island to discuss present issues and future directions. In January 1995 director Ira Rubinoff delivered a "State of STRI" address to all employees in which he reviewed the Institute's budgetary situation, accomplishments,

and present and future projects in the areas of research, education, construction and telecommunications.

Several major construction projects completed this year advanced the master plan of STRI facilities. The renovation of two floors of Building 352, formerly Surfside Theater, and occupied for several years by STRI's Oil Spill Project, added new offices and laboratories for fellows and visitors at the Naos Marine Laboratories.

Construction of the annex for the Earl S. Tupper Library and renovation of the original building were also completed. This represents a significant expansion of the STRI Library facilities made possible by a gift from the Tupper family. A bronze bust by sculptor Jay Carpenter of Earl S. Tupper, founder of Tupperware and supporter of STRI, was placed in the plaza outside the library. A mosaic based on the work of the Panamanian artist Brooke Alfaro, that was contributed by the artist to STRI, adorns the facade of the new annex. The work, entitled "El Trueque" ("The Exchange") symbolizes Panama's traditional role as a site of biological, cultural and commercial exchange.

On Barro Colorado Island, construction of new laboratories, housing units for workers and visitors, and a new pier completed a major part of the program, begun in 1987, to replace buildings from the 1920s and improve the field station's living and working facilities. The new building has seven individual laboratories, a chemistry lab, instrument room, computer room, a darkroom, and walk-in freezer.

During FY95 construction progressed on the renovation and conditioning of the Ancon facility to house the Center for Tropical Paleocology and the building and installation of the new back up generator for the Tupper Research and Conference Center complex.

A major advancement this year was the installation of a satellite earth station at the Tupper Center to establish more reliable communications between STRI and SI. The satellite link will provide both data and voice services, thus helping to reduce communication expenses at both ends.

Of special interest was the publication of *Fishes of the Eastern Tropical Pacific*, coauthored by Gerald R. Allen and STRI staff scientist D. Ross Robertson. The most comprehensive guide of the fishes of the region, this publication is now being translated into Spanish.

The Spanish version of the executive summary of STRI's Oil Spill Project's final report was published this year and distributed widely by the Office of External Affairs. Also published, by Texas University Press, was the book *Plants and Animals in the Life of the Kuna* by STRI's environmental conservation specialist Jorge Ventocilla, Heraclio Herrea and Valerio Nuñez, and translated by Elisabeth King.

Another translation that saw the light of day this year was *La domesticación y cría de la paca (Agouti paca)* Guía FAO Conservación No. 26 (The domestication and rearing of the paca, *Agouti paca*, FAO Conservation Guide No. 26), by Nicholas Smythe and Ofelina Brown de Guanti, formerly at STRI.

The project on which this publication was based was supported by a grant from the W. Alton Jones Foundation.

To reach wider audiences STRI published jointly with Panama's newspaper LA PRENSA 12 monthly color supplements in Spanish entitled "Naturaleza Tropical." The supplements, written for lay audiences by STRI scientists and collaborators, dealt with various aspects of Panama's natural history and were enthusiastically received by readers.

With support from the SI Women's Committee the Spanish version of a second edition of *A Day on Barro Colorado Island* was completed. The English version will be out in October, as will the Spanish edition of the guidebook for visitors to the Fausto Bocanegra Nature Trail on Barro Colorado Island.

Two new fellowships were established and awarded this year. The Earl S. Tupper 3-year Postdoctoral Fellowship was awarded to Ulrich Mueller, a researcher from Cornell University, who will conduct studies on the evolution and the ecology of the Attine fungus symbiosis. The Fellowship in honor of the late Alan P. Smith was awarded to senior botany student, Eloisa Lasso, from the University of Panama, who will conduct her thesis research on the canopy access system pioneered by Smith.

In FY 95 the recipient of the Burch Fellowship in Theoretical Medicine and Affiliated Sciences was Pedro Leon Azofeifa, from the Cell and Molecular Biology Research Center of the University of Costa Rica. He received this distinction for his theoretical and applied work in vertebrate genetics and he will be interacting with STRI scientists during the course of this fellowship.

To promote cooperation between the Organization of Tropical Studies (OTS) and STRI, the Andrew W. Mellon Foundation awarded a three-year grant of \$350,000 to be shared equally by STRI and OTS. The grant will fund exchange visits by STRI and OTS researchers as well as visits by outside researchers.

A generous contribution of one million dollars was made by Glenn O. Tupper to the Earl S. Tupper Fund to support scientific research at STRI. The STRI Development Office began this year an "Alumnus Development Program" which raised approximately \$10,000. Numerous letters received from STRI alumni provided testimony to the important role STRI has played in the careers of many biologists and conservationists.

The Smithsonian Board of Regents approved the use of the name Fundación Smithsonian de Panamá for a new foundation to be established in Panama that will raise funds for STRI projects, specifically those that would involve outreach to the Panamanian community. One major project supported by this group of corporate and individual donors is the Marine Exhibition Center at Culebra Point. A pilot marine environmental education program at this site has received over 20,000 students from the pre-kindergarten through the university levels.

The U.S. Department of Defense provided funding to two STRI projects through its Legacy Program. The first project

concerns the restoration and renovation of military bunkers for the development of a visitor center and classroom for the Culebra Marine Exhibitions Center. The second project involved inventory and monitoring of birds and forest trees in U.S. military bases in Panama.

The Center for Tropical Forest Science at STRI began the fourth census of the 50 hectare forest plot on Barro Colorado Island began in January 1995; previous censuses were conducted in 1982, 1985 and 1990. In Borneo the first census was completed on a 50-hectare plot that contains 1173 species and 380,000 stems. A new 50-hectare plot was initiated this year in a high-diversity Amazon forest in area of Yasuni, Ecuador in collaboration with the Catholic University of Ecuador and the Aarhus University of Denmark.

On May 6, 1995 a new field station was opened in the Caribbean by a consortium of private partners in Honduras and Switzerland, the Honduras Coral Reef Foundation and a partnership of STRI and the Honduran government. The solar powered field station provides laboratory and living space for 15 scientists and will be the site for studies on coral reefs and other marine habitats, and for an initiative in the sustainable development of fishing and tourism.

In Africa, the Mpala Research Centre, a collaborative research effort between Princeton University, the National Museum of Kenya and the Kenya Wildlife Service, hired its first director, Nicholas Georgiadis, a STRI research affiliate. This unique savannah field station located, in the Laikipia plateau in northcentral Kenya, provides housing and dining facilities for 15 scientists. Director Georgiadis visited Panama this year to formalize links between Mpala and STRI, which administers the SI interests in this consortium.

A working plan and cooperative agreement was signed between STRI and Brazil's Federal University of Parana (UFPR). The agreement calls for technical and scientific exchange to reconstruct the history of the vegetation and climate since the last glacial epoch, in several regions of Brazil. The STRI paleoecology team headed by Paul Colinvaux and the UFPR department of Botany headed by Raquel Negrelle will be working together towards the successful completion of the project.

Several international workshops were held at STRI's Tupper Center this year. From March 20-24, the Technical Meeting of Herbaria of Central America and the Caribbean brought together twenty-six specialists from eight nations and was organized by Mireya Correa, of STRI and the University of Panama, and Rafael Ocampo, of the Centro Agronómico Tropical de Investigaciones y Enseñanza (CATIE) in Costa Rica. Seventy-five specialists from around the world gathered at the Tupper Center for the United Nations Environmental Program's Global Biodiversity Assessment Workshop that was held from June 12-16.

The U.S. State Department provided seed funding to initiate the development of an international travelling exhibit on coral reefs. The exhibit is conceived as a means to increase public awareness of the plight of coral reefs, and is one way in

which STRI is helping to carry out the objectives of the International Coral Reef Initiative, in which STRI has an advisory and collaborative role. The exhibit will open at the ATLAPA Convention Center in conjunction with the Eight International Coral Reef Congress to be held in Panama from June 24-29, 1996, cohosted by the University of Panama and STRI.

The bilingual itinerant exhibit "Parting the Green Curtain" continued its travels through its fifth country in Latin America, opening at the Banco Central de Reserva del Peru in Lima, from July through September 1995. The educational exhibit "Imágenes contra el SIDA" opened at the Tupper Center in December and was subsequently donated to Panama's Ministry of Health to support local HIV/AIDS prevention education.

STRI and the University of Panama offered the V Introductory Course in Field Research for biology students held from April 2-11 in the Gigante Peninsula, part of the Barro Colorado Nature Monument. In collaboration with Panama's Ministry of Education (MINEDUC), STRI organized the II Workshop in Marine Environmental Education held from March 27-31, 1995. The workshop supported by a grant from the SI Educational Outreach Fund was attended by 23 middle school teachers from Panama's coastal areas, including a representative from the San Blas islands.

Thirty students from the University of Panama and the Azuero Regional University Center participated in the archaeological excavations at the Cerro Juan Diaz site near the town of Los Santos, directed by STRI staff member Richard Cooke in collaboration with Panama's Institute of Culture. The students' training and participation was supported by a grant from the SI Educational Outreach Fund.

Secretary I. Michael Heyman and Theresa Heyman visited STRI from February 6-10 to meet the staff and learn about ongoing programs. Secretary Heyman and STRI director Ira Rubinoff met Panama's President Ernesto Perez Balladares at Blair House in September. President Perez Balladares presented Heyman with a letter expressing his government's intention to continue supporting STRI beyond the year 2000.

## Arts and Humanities

### *Anacostia Museum*

*Steven Cameron Newsome, Director*

The Anacostia Museum continued its tradition of increasing public knowledge of the black experience through direct engagement with a variety of constituent groups in the development of exhibitions, public programs, and research projects. The groundbreaking exhibition "Black Mosaic: Community, Race, and Ethnicity among Black Immigrants in Washington, D.C." was the anchor for activities that strengthened the

museum's leadership in documenting and interpreting contemporary urban and community history and culture. The collaborative strategies that the museum uses to develop and implement projects are useful models for other institutions.

To complement "Black Mosaic," the museum sponsored two conferences about music. "Musica Afro-Latino" explored the history of Latin musical forms in Washington, D.C., and featured performances and discussions by some of the city's pioneers and trendsetters. "Beyond the Reggae Beat" increased public understanding of musical genres with origins in English- and French-speaking Caribbean communities. Free concerts followed both conferences.

Three notable exhibitions were installed in the Community Gallery. "In Search of Common Ground: Senior Citizens and Community Life at Potomac Gardens" focused on eight residents of a public housing development. "Art Changes Things: The Art and Activism of Georgette Powell" was a retrospective view of the life and work of a noted African American art educator and artist who has been active since the 1930s. "Anacostia: Not the Same Old Story" was developed by students participating in the museum's partnership with the Lucy Ellen Moten Elementary School.

The National African American Museum Project became part of the museum's administrative structure and was renamed the Center for African American History and Culture. The center mounted two exhibitions in the Arts and Industries Building. "Imagining Families" offered a provocative examination of family history through a variety of art forms. In "The Harmon and Harriet Kelley Collection of Art," the public gained insight into the impact of individuals who decide to commit themselves to collecting African American art.

An advisory board began consulting with museum staff on plans for the 1997 exhibition "Speak to My Heart: African American Communities of Faith and Contemporary Life." The exhibition, the second in a trilogy of major contemporary urban history offerings, will explore the social and cultural dynamics of Washington's African American spiritual institutions. It will also address the impact of changes in vestments, iconography, and liturgy on black religious traditions.

Plans for the museum's Archives Study and Storage Center were completed. Construction is slated for 1996 and 1997. The addition will enable the museum to be more effective in collecting and caring for manuscript, archival, and photographic material that reflects black life.

## *Archives of American Art*

*Richard J. Wattenmaker*

### Acquisitions

Major groups of important papers were acquired this year by the Archives of American Art. John Gruen (b. 1926), art critic

and author, donated original manuscripts, tape recordings and transcripts of interviews conducted with important artists who constitute a "Who's Who" of figures in the art world over the past 40 years. These comprise discussions with critics, including Harold Rosenberg and Clement Greenberg, as well as the original, unedited draft manuscript of Gruen's book, *The Party's Over*, with much more data than was ultimately published.

A large group of personal papers were donated by the critic Lucy Lippard (b. 1937) including drafts of her books *Six Years*, *Cross Fire*, *Mixed Blessings*, and *Eva Hesse*, together with correspondence from 1970-1992. Other papers given include clippings, leaflets, broadsides on American culture and politics as well as her teaching notes for the University of Colorado, Boulder in 1986.

The Archives received a group of rare catalogues (1944-1992), newsletters and records of the Society of American Graphic Artists from Vice-President Richard Dorian. SAGA continues today as the leading organization of printmakers in America.

Papers and gallery records were received from Kraushaar Galleries, New York. More than 35 cubic feet of documents comprising correspondence with artists, collectors, dealers, museums and other clients. These include artists such as John Sloan, Guy Pène du Bois, and Gifford Beal. Kraushaar, founded in 1885, is one of the oldest art galleries in America and played an important role in fostering the successful careers of such American artists as the Prendergast brothers, Maurice and Charles, William Glackens, and John Sloan. In the 1920s the Gallery was a leading exhibitor of modern European painters. Vose Galleries of Boston, Inc. also donated customer files 1914-1945 adding to a group of papers given by Vose over a period of years. The Gallery is the oldest family owned art gallery in America begun in Providence, RI in the 1840s and operating in Boston since before the turn of the century. These exceptional records constitute a continuing gift that will provide an invaluable resource for the study of 19th and 20th century art in America.

Among other continuing gifts are the papers of scholar Stanton L. Catlin (b. 1915), a leading authority on 19th and 20th century Latin American art. One of his most notable achievements was the organization of the "Art of Latin America since Independence" exhibition at Yale and the University of Texas in 1967. An addition to the papers of painter and draughtsman Hyman Bloom (b. 1913) was also received. Fellow of the American Academy of Arts and Sciences since 1960, Bloom is well known for his figure and anatomical compositions, landscapes and Jewish genre subjects.

The Archives acquired the papers of sculptress Bessie Vonnoh Potter (1872-1955) who gained a national reputation for bronze fountains, portrait busts and mother-and-child figure groups. The collection also includes vintage photographs. Of special interest are the artist's letters describing her visit to the 1900 Paris' Exposition Universelle. The donor, Lulette J. Thompson, is Vonnoh's 98-year old cousin and oldest surviving heir.

The papers of sculptor Heinz Warneke (1895-1983), born in Germany, and who migrated to the United States in 1923, have also been donated to the Archives. Warneke was head of the sculpture department of the Corcoran School of Art from the early 1940s to 1970.

Another rich collection, papers (1907-1973) of painter Stanton Macdonald-Wright (1890-1973) including correspondence (1909-1915) from the artist and his brother Willard Huntington Wright to their mother, and a diary (1909) from Paris concerning color theories and aesthetics, were donated by the artist's wife. Included is a treatise on color with palette and color wheels and an untitled manuscript loosely based on the lives of Stanton and Willard Wright as well as five journal notebooks kept by the artist from 1939-1973.

Finally, the Archives was bequeathed the papers of art historian Albert Elsen (1928-1995) professor of art history at Stanford University and president of the College Art Association from 1974-1976. Elsen was also author of the "Statement on Standards for Sculptural Reproduction and Preventive Measures to combat Unethical Casting in Bronze." Long-time member of the Archives' West Coast Advisory Committee, he was instrumental in the acquisition of several collections. This collection includes correspondence, writings, photographs and printed materials related to his teaching and research in such figures as Rodin, Matisse, Seymour Lipton and Paul Jenkins.

## Exhibitions

An exhibition of a promised gift of papers of sculptor Louise Bourgeois was presented at the New York Regional Center, November 11 to December 1, 1994. Ms. Bourgeois donated the papers to the Archives in honor of Agnes Gund, the well-known collector and supporter of contemporary art, and the Chair of the Board of Trustees of the Museum of Modern Art. Mrs. Gund was honored by the Archives of American Art at a black tie benefit dinner at the University Club on November 17 attended by 280 people.

Katharine Kuh (1904-1994), an art historian, critic, gallery owner, and curator, gave the first installment of her papers to the Archives in 1971 and continued to make gifts of her correspondence throughout the 1970s and 1980s. It was her wish that after her death the remainder of her letters, manuscripts, photographs, and diaries also be given to the Archives. Archives' staff member Nancy Malloy and art historian Avis Berman curated a wonderful exhibition at the Archives' New York Gallery featuring Kuh's papers, which document the broad range of interests and contributions to art history and criticism made by this remarkable scholar.

Letters, sketchbooks, diaries, travel journals, and photographs of abstract expressionist painter Georgio Cavallon (1904-1989) were on display at the Archives' Gallery in the New York Center from April 4 to June 30. Complementing the papers were a selection of 18 of Cavallon's paintings and watercolors that were lent for the exhibition. Critic Robert Hughes praised Cavallon's work as "one of the most lucid,

steadfast, and articulate bodies of work in modern American painting." Diane Kelder, Professor at CUNY Graduate Center and Chair of the Art Department at Staten Island College, was the guest curator.

Also on view at the Archives' New York Regional Center was an exhibition featuring highlights from collections recently acquired by the Archives of American Art. Among the items displayed were letters, sketches, and books from private libraries of artists and critics such as Peter Dean, Frank Stella, Robert Smithson, and Lucy Lippard. Also on view were original birthday cards given to collector Roy Neuberger from artists such as Jackson Pollack, Romare Bearden, Stuart Davis, and Alexander Calder.

## Publications

The Archives' latest publication, *Government and Art: A Guide to Sources in the Archives of American Art*, will be published in late Fall. In addition to other materials the Archives has the largest collection of manuscripts, archives, and oral history interviews documenting the New Deal arts programs of the 1930s.

## Oral History

During the 1995 Fiscal Year, the Archives conducted a number of new oral history interviews. Among figures interviewed were New York art dealer Paula Cooper, interviewed by Bill Weiss, who speaks of her gallery experiences and the beginnings of her involvement with such contemporaries as Walter de Maria, Carl Andre, and other sculptors of the 1960s. Paul Karlstrom, West Coast Regional Director interviewed sculptor Viola Frey (b. 1933), as part of the Women in the Arts Oral History Project, she discusses her education and recalls artists such as Richard Diebenkorn, Marc Rothko, and Robert Arneson. Claire Falkenstein (b. 1908), interviewed by Paul J. Karlstrom, provided a candid discussion of her development as an artist while a student at the University of California, Berkeley. Falkenstein discusses her largest commission at St. Basil's Cathedral in Los Angeles. She also talks about her teaching in the Bay area and friendships with Clyfford Still as well as meetings with such figures as Karl Appel, Martha Jackson and Sam Francis. In an interview Fritz Scholder (b. 1937) discusses his family background and growing up in the parallel worlds of Anglo and Native American culture, his education and his travel in Europe and Egypt as well as the importance of magic and occult in his work. He also recalls such contemporaries as Wayne Thiebaud, Vincent Price, Georgia O'Keeffe, Agnes Martin and Leonard Baskin.

The Archives has undertaken an oral history project in cooperation with the Metropolitan Museum of Art, New York. The Metropolitan Museum of Art Oral History Project has interviewed twelve of the approximately twenty-five individuals who are or have been closely connected with the museum's operations and programs. These inter-

viewees include staff and trustees including those who have served the museum in the past.

### Collecting

The Director and Southeast Regional collector, Liza Kirwin traveled to San Antonio, Texas, where they met with artists and arts administrators to pursue the Archives' longstanding activity documenting Mexican American and Latino art. The Archives is currently preparing a guide to Latino holdings.

### In Memorium

William E. (Bill) Woolfenden, former Director and Director Emeritus of the Archives of American Art died July 19 in New Haven, Connecticut. He was 77. Mr. Woolfenden was Director of the Archives for 19 years and was involved with its programs from its inception in 1954. He was responsible for its growth into the nation's largest repository for documentation of the visual arts and culture of the United States.

## *Arthur M. Sackler Gallery and Freer Gallery of Art*

### *Milo C. Beach, Director*

With both the Sackler and Freer buildings open, in full operation and physically linked for more than two years, the galleries began two major evaluative efforts. The first, a 12-month visitor study, was aimed at learning more about the galleries' public—who they are and what they hope to gain from their museum experience. Working with the Smithsonian's Institutional Studies Office and a four-member gallery steering committee, professional interviewers spoke to a random sampling of visitors over a period of seven days each month from October 1994 through September 1995.

Recognizing a related need to refine the galleries' mission statement and set programmatic priorities in a time of diminishing resources, the administration hired a strategic planning firm to help guide the staff and visiting committees in identifying key issues and operating principles, while helping them to set goals, objectives, and tasks for the next five years. A series of workshops and retreats resulted in a newly drafted mission statement. Staff in individual departments are now engaged in discussions as to how departmental goals can further the achievement of the mission.

A project to preserve some of the world's great art was initiated by the government of Japan and private concerns in 1991, and the Freer Gallery was the first institution in the United States to benefit from this effort. By the time the project is completed early in 1996, 40 of the gallery's masterpieces of Japanese painting, dating from the 12th through the 19th cen-

tury, will have been stabilized, cleaned, and remounted in the traditional format by specialists in Japan.

The Sackler Gallery exhibition "A Basketmaker in Rural Japan" presented the complete repertoire of baskets made by Hiroshima Kazuo (b. 1915) for use in the home, field, and stream during his 64-year career as a bamboo craftsman. The exhibition was the first in the United States to focus on Japanese baskets as objects of use. It exemplified the gallery's efforts to identify works of art with their makers and place them within a cultural context.

The Freer joined the National Gallery of Art and the National Portrait Gallery in presenting a full range of the art of American expatriate James McNeill Whistler. "Whistler and Japan" was the first exhibition at the Freer to focus specifically on the relationship between the Japanese and American painting collections, and it examined Whistler's interest in Japanese art and how it affected his work. The Freer Gallery also cosponsored a Whistler Scholars' Colloquium with the Centre for Whistler Studies, University of Glasgow. The colloquium was held at the Freer, with an opening reception at the British Embassy.

During a one-day Sackler Gallery symposium, "Saints, Sufis, and Siddhas," six scholars of art history and religion presented papers examining the significance of the holy personage, an overarching theme in the South Asian artistic idiom. Sessions devoted to Hindu, Islamic, and Buddhist "saints" were followed by an open discussion. The symposium was made possible by the generosity of Mrs. Arthur M. Sackler.

The Sackler and Freer family program *ImaginAsia* benefited by the addition of a part-time staff member, who expanded these popular activities to complement current exhibitions and developed a variety of related hands-on activities. The public responded enthusiastically and in great numbers to *ImaginAsia*'s increased frequency and changing themes.

Since the Freer Gallery of Art reopened following renovation in 1993, concerts of Asian music and Western chamber music have drawn audiences of music lovers to the grassy plaza at the gallery's north entrance and to the Eugene and Agnes E. Meyer Auditorium inside. Concerts this year featured the music of Partha Chatterjee on the lute-like *sitar*, accompanied by Samir Chatterjee on the *tabla*, or drums; the music of Afghanistan, North India, and Pakistan as performed by Wali Ahmad Raoofi and Broto Roy; the Gudecha brothers; and Shiv Kumar Sharma with Shafaat Ahmed Khan. The Bill and Mary Meyer Concert Series, now in its third year, included six programs of chamber music by such artists as Musicians from Marlboro, Pamela Frank, and the Takacs Quartet. A highlight of the concert by the Shanghai Quartet was the Washington, D.C., premiere of "Song of the Ch'in," by the contemporary Chinese composer Zhou Long. The Bill and Mary Meyer Concert Series has been established in memory of Dr. Eugene Meyer III and Mary Adelaide Bradley Meyer. It is generously supported by The Island Fund in the New York community Trust and Elizabeth E. Meyer.

The Sackler Gallery sponsored six free public film series featuring recent and classic works from China, Taiwan, Hong



Kong, Japan, Vietnam, Cambodia, and the Philippines, as well as films from the United States about Asia. Advertisements for the series appeared in Asian community newspapers, and that exposure helped attract large and diverse audiences to the films.

The Freer and Sackler Library began major improvements in public service through an automated cataloging system that includes titles in Chinese, Japanese, and Korean. Library staff have begun to convert the 57,000-volume card catalogue to the electronic database, which eventually will be accessible by computer worldwide.

Visitors entering the Freer Gallery through the north door can check current exhibitions and the day's events on two interactive video monitors that were installed this year. Designed by gallery staff and made possible by a generous grant from the Smithsonian Women's Committee, the monitors attracted approximately 4,000 visitor queries in the first month of operation.

The director was host of a reception at the Freer Gallery in honor of the visit of the Dalai Lama in September. His Holiness toured the Buddhist galleries and addressed guests about the importance of preserving the cultural heritage of Tibet.

"Contemporary Japanese Porcelain," an exhibition of recent work by living artists, received top honors as Best Overall Exhibition in the 1994 Smithsonian Exhibition Awards. "A Mughal Hunt," which examined the process by which a scholar traces the history of an unidentified work of art, was cited for the excellence of its labels.

The collections management departments of the Sackler and Freer Galleries were combined in a single department under a head registrar, who oversaw the acquisition of 175 works of art through gift, purchase, and transfer to the Sackler Gallery this year. Among the significant gifts were 72 photographs of Asia by Lois Conner; a group of archaic Luristan bronzes; and a fine 14th-century Tibetan Buddhist sculpture, which was purchased by the Friends of Asian Arts and the Smithsonian Collections Acquisition Program.

A highlight among the 18 gifts, purchases, and transfers to the Freer collection this year was the *Portrait of Yamamoto Kansuke*, a hanging scroll by Gion Seitoku (1781-1829?), a Japanese artist known for his religious and historical portraiture, as well as for his paintings of courtesans. The subject of the Freer portrait was the trusted adviser and brilliant military strategist for one of 16th-century Japan's most cunning and powerful warlords. The painting was purchased by Friends of Asian Arts and the Smithsonian Collections Acquisition Program.

## *Center for Museum Studies*

*Rex M. Ellis, Director*

The Center for Museum Studies (CMS) serves a diverse constituency of museum professionals, students, volunteers and cultural resource specialist by offering courses, seminars,

fellowships, internships, information services and professional support. CMS is committed to offering programs and services that foster excellence, public service and diversity within the museum community.

1995 marked a year of change, new beginnings and increased private support for the center. In 1995, the Office of Museum Programs changed its name to the Center for Museum Studies. The new name more accurately reflects the mission and function of the office and more clearly aligns with what the museum community has come to accept as the terminology defining museum operations. The office mission has always been, primarily, to support external museums and museum staff by providing training, information and professional support in museum operations. The name change will help to accomplish this more effectively as the office seeks to broaden service to a national constituency. The new name also more clearly facilitates and accommodates efforts to build networks with the many colleges and universities that offer courses and degrees in museum studies.

The center began two programs in 1995: a new workshop series and the Museum Intern Partnership Program.

Under the direction of Nancy Fuller, Research Manager, the center developed a new workshop series designed primarily to meet the needs of staff working in small, emerging, minority and rural museums. The center's objective in offering the new workshop series (Introduction to Public Programming, December 5-9; Introduction to Museum Management and Operations, January 23-27; Introduction to Exhibition Design and Production, March 6-10; and Introduction to Managing Museum Collections, April 24-28) was to help museums attain effective levels of professional operation to better serve their communities. Class size was intentionally limited to better meet the individual needs of the participants.

The center also introduced the Museum Intern Partnership Program, under the direction of Bruce Craig, Communication Manager, and Bob Kidd, Museum Program Specialist. Given the size and scope of the Smithsonian, most of the Institution's interns do not get a museum experience comparable to the vast majority of museums in the United States. The Museum Intern Partnership Program provides a complimentary internship at a Smithsonian museum or office and at a smaller, community-focused museum. The program gives selected interns a well-rounded experience, provides a mechanism for Smithsonian staff to work closely with colleagues in other institutions and broadens the dissemination of Smithsonian resources. Three outstanding individuals were selected for the first year of the program, funded by a grant from the Smithsonian's Educational Outreach fund and programs funds in the Center for Museum Studies. Partnerships took place at: National African American Museum Project, Washington, DC, and Museum of African Art, Tampa, FL; Anacostia Museum, Washington, DC, and the Motown Historical Museum, Detroit, MI; and the National Museum of American Art, Washington, DC, and the Institute of American Indian Arts, Santa Fe, NM. In April, at the end of the pro-



gram, the three interns returned to the Smithsonian and led a half-day workshop on museum programming with students from the Duke Ellington High School for the Performing Arts.

The center's fundraising efforts were recently given a boost by two generous donations which will support intern and fellowship programming. In March 1995, Mr. and Mrs. Anthony Welters made a generous contribution of \$150,000 to establish the Vincent Wilkinson Endowment Fund, within the Smithsonian Fund for the Future, in memory of Mrs. Welters' father. The Wilkinson Endowment Fund will provide support for African American undergraduate students to participate in the Museum Intern Partnership Program. Interns supported by this fund will be known as the Vincent Wilkinson Interns. This generous contribution has also attracted the attention of other donors. At the end of the year staff were working to secure an endowment which would fund Latino/a students in the Museum Intern Partnership Program as well.

The center's Fellowships in Museum Practice program received a pledged endowment of \$150,000 from the Smithsonian Women's Committee, in celebration of the upcoming 150th anniversary of the Institution. This program was created in 1992 with an endowment of \$100,000 from the Smithsonian Women's Committee, given in honor of their 25th anniversary, and remains the only activity at the Smithsonian funded by an endowment from that committee. Under the direction of Nancy Fuller, four fellows are selected each year to do research at the Smithsonian on museum issues. Fellows in 1995 were:

D. Lynn McRainey, Associate Educator for Museum Programs, Chicago Historical Society. Project title: "Interpreting History Through Interactive Experiences." Project sponsor: Nancy McCoy, Director, Division of Education, National Museum of American History.

Helen Glazer, Exhibitions Director and Collections Coordinator, Goucher College. Project title: "In Quest of Myth: A Prototype Multi-Museum Tour at the Smithsonian." Project sponsor: Zahara Doering, Director, Institutional Studies, Smithsonian Institution.

Nigel Holman, Executive Director, Atishi A:wan Museum and Heritage Center, Pueblo of Zuni. Project title: "Debating the Curation and Use of Historic Photographs in Museums and Archives." Project sponsors: Eulalie Bonar, Assistant Curator, and George Horse Capture, Deputy Assistant for Cultural Resources, National Museum of the American Indian.

Teresa Morales, Coordinator, Programa de Museos Comunitarios y Ecomuseos, Oaxaca, Mexico. Project title: "Cultural Appropriation and Community Museums." Project sponsor: Nancy Fuller, Research Program Manager, Center for Museum Studies. Project advisors: William Merrill and Christine Kreamer, Curators for Anthropology, National Museum of Natural History.

The center continued its strong commitment to increasing cultural diversity in the museum workforce through workshops and technical assistance offered by the American Indian

Museum Studies Program, the Awards for Museum Leadership and the Latino Graduate Training Seminar.

In addition to offering workshops in cultural programming, collections management, archival methods and living history programs, Karen Cooper, Program Manager of the American Indian Museum Studies program, launched a new publication series in October: *Perspectives*, a series of technical pamphlets directed specifically for use in American Indian cultural centers. The first two pamphlets were *Travelling Exhibitions for Tribal Museums and Cultural Centers* and *Tribal Collections Management at the Makah Cultural and Research Center*. The program also produced a directory of all participants since its inception in 1991; a "Bibliography of Current Museum-Oriented Writings on Native American Topics;" and developed resource lists on "Membership Organizations of Interest to Tribal Museums," "Training for Museum Careers," and "Funding Sources for American Indian, Alaska and Hawaii Museums and Cultural Centers."

The Awards for Museum Leadership, held this year July 17-21 under the direction of Bob Kidd, featured innovative topics and speakers. The program objectives were to broaden participant perspectives on diversity issues in museums; explore technological, social, political and economic challenges in the museum profession; strengthen team-building skills and problem-solving capabilities; and create a supportive climate in which to nurture new networks of expertise and collaboration. Fifteen individuals participated in the program, reflecting a diverse range of ethnic backgrounds, geographic locations, career paths, educational backgrounds and institutional/organizational sizes. Rennie Saunders, an independent human resource consultant and trainer, led a very successful session on Team Building and Dynamics of Teamwork. Another highlight of this year's program was a Leadership Development seminar facilitated by Myra King, Assistant Professor at Montgomery College; Jane Delgado, Executive Director, The Bronx Museum of the Arts; and Elaine Heumann Gurian, former deputy director of the U.S. Holocaust Museum.

With the Inter-University Program for Latino Research, the Center for Museum Studies sponsored the second annual Latino Graduate Training Seminar in Qualitative Methodology. Fifteen doctoral candidates participated in "Interpreting Latino Cultures: Research and Museums," June 19-30. Magdalena Mieri, Museum Programs Specialist at the center, served as a coordinator for the program. As the Smithsonian moves forward with plans to expand staffing and programming related to Latino history and culture, this program represents an important milestone toward increasing the pool of Latino curators and museum professionals. The program challenges students to develop strong research skills while exploring issues of interpretation and representation of cultural materials and traditions in museums. The program also offers students an opportunity to forge relationships with a community of scholars, curators and archivists who are often not available at their home institutions.

With funding from the Smithsonian Institution's Latino Initiative Pool, the center created a new fellowship program, the Latino Graduate School Fellowship, under the direction of Magdalena Mieri. The goal of the program is to support the scholarly development and research interests of Latino graduate students, to expose them to the resources available at the Smithsonian and to introduce them to museum operations. The program emerged as a result of issues raised during the Latino Graduate Training Seminar and a desire to extend the length of time Latino scholars could conduct research at the Smithsonian. Five outstanding Latino/a Ph.D. candidates, chosen from among participants in both the 1994 and 1995 seminars, were elected to begin research at the Smithsonian in Fiscal Year 1996.

Responsibility for central intern services at the Institution is a major function at the center. During 1995 both Sarah Landon, Intern Services Coordinator, and Rebecca Culpepper, Intern Services Assistant, left the center and were replaced respectively by Elena Piquer Mayberry and Allison Wickens. Intern Services at the center provides a weekly orientation to new Smithsonian interns as well as special programs, tours and discussions. The center also offers an annual Museum Careers Seminar, held this year July 5-26. This four-part program explored museum practice and functions, the types of positions available within the museum field, career guidance and advice. Through programming and counseling, Intern Services insures that all interns have access to, and use, the unique resources of the Smithsonian to explore the many facets of museum work.

In 1995 the center moved closer to providing comprehensive electronic outreach information to the museum community and beyond. Staff and volunteers began cataloging citations to the American Association of Museums annual meeting audio-tapes which will be added to the Museum Studies Database, accessible through the Smithsonian Institution Research Information System (SIRIS). The center also established a "home page" on the Smithsonian's web site. The page includes program information and listings of resources available from the center. Several web users have already downloaded and sent to the office the Application for Smithsonian Internships which is posted in the Intern Services area. The center has also drafted out subject area and services to be placed on Smithsonian On-Line, the on-line information area of America On-Line in early Fiscal Year 1996. Increasing access to our materials as well as providing information to the general public about museums, museum careers and museum issues will guide the design of the center's web page. Discussions among staff continue about use of the internet to deliver training as well as the feasibility of tele-conferencing segments of our workshops and seminars.

The center begins 1996, and the 150th anniversary of the Smithsonian, with excitement and a deep commitment to continue servicing and promoting excellence and equity in the museum community as well as in its daily operations.

## *Cooper-Hewitt, National Design Museum*

*Dianne H. Pilgrim, Director*

Cooper-Hewitt, National Design Museum seeks to enrich the lives of all people by exploring the creation and consequences of the designed environment. The National Design Museum is one of the largest repositories of design in the world, and the only museum in the United States devoted exclusively to historical and contemporary design. Four curatorial departments, Drawings and Prints, Decorative Arts, Textiles, and Wallcoverings, care for, interpret, and add to the Museum's collection of nearly a quarter of a million objects. The Museum also houses a Department of Contemporary Design, an outstanding reference library, extensive archival material on American industrial design, an African-American Design Archive and a newly established Latino Design Archive.

During 1995, construction began on the Museum's major capital renovation and accessibility project. The project will accomplish several goals: create storage/study centers for the Museum's collections, improve conservation of the collections, and make the entire Museum facility—Mansion, Miller and Fox Houses, and the Arthur Ross Terrace and Garden—completely accessible. Approved by the New York City Landmarks Commission and the New York State Historic Preservation Trust, the design by the architectural firm of Polshek and Partners is already being hailed as a model for providing accessibility in a historic landmark building.

In December of 1994, partial funding of \$13 million for the \$20 million project was approved by the Smithsonian. The Museum has worked during the past year to secure the additional \$7 million needed to complete the project as originally planned. In less than one year, the Museum has secured pledges and gifts of cash and securities totaling \$3.7 million. This figure includes a \$2 million donation from Agnes Bourne, a San Francisco-based furniture and interior designer and her husband, Dr. James Luebbers. They sold their landmark mansion, Stonehouse, and donated \$2 million from the proceeds to the National Design Museum. The Museum has used the \$3.7 million to restore elements of the project to the construction schedule that had been previously eliminated because of cost.

In order to ensure the safety of both the public and the collections, the Museum suspended exhibitions for the duration of the renovation project. The galleries closed in August 1995 and will reopen in the fall of 1996 with the major exhibition, *Mixing Messages: Graphic Design in Contemporary Culture*, sponsored by the Mead Corporation. While the galleries are closed, the Museum will continue to offer a wide range of innovative educational programs and the Museum's library of 56,000 volumes and extensive archives are available by appointment. Also, the Museum is collaborating with several outside organizations on off-site exhibitions. *Six Bridges: The Making of the New York Megalopolis*, a collaborative effort of the National De-

sign Museum and the PaineWebber Art Gallery, will be shown at the PaineWebber Art Gallery from January 25 to April 19, 1996. The Museum is consulting with the Central Park Conservancy on *Help Design Frederick Douglass Circle*, an exhibition of the different designs submitted for improvement of the Frederick Douglass Circle area. It will be on display from March 28 to June 2, 1996 in Central Park.

*Avant-garde Letterhead*, an exhibition of letterheads designed between 1909 and 1950, will open at the American Institute of Graphic Artists' gallery in March or April 1996. The exhibition is curated by Ellen Lupton, the Museum's Curator of Contemporary Design. In addition, the Museum is planning an exhibition on swings to be displayed in the Arthur Ross Terrace and Garden in the summer of 1996.

Before the gallery doors closed, the National Design Museum presented a full roster of the innovative and creative exhibitions that have become the Museum's trademark. Exhibitions on the evolution of the workplace, Dutch Modernism and the applied arts from 1880 to 1930, the work of graphic designer Elaine Lustig Cohen, jewelry and accessories from the Museum's collection, a review of 1950's wallpaper and analysis of an 18th-century bedcover were all on view at the National Design Museum during 1995.

The Museum created a Marketing Committee to help maintain the Museum's momentum and public profile during the renovation project and to plan activities to celebrate the Museum's Centennial in 1997. The Committee consists of outside professionals and several members of the Board of Trustees. The Committee is also involved in the creation of a National Design Awards program. These awards will give the Museum the opportunity to highlight the best work of the design world and reward designers and companies for their creativity and problem solving.

The National Design Museum's work was honored this past year with seven Federal Design Achievement Awards for the exhibitions *The Cooper-Hewitt Collections: A Design Resource*; *Mechanical Brides: Women and Machines from Home to Office*; *Packaging the New: Design and the American Consumer 1925-1975*; *The Power of Maps*; *Revolution, Life and Labor: Soviet Porcelain (1918-1985)*; and *A Royal Gift: The 1826 Porcelain Jewel Cabinet* and *The Edge of the Millennium*, a collection of essays by designers and scholars. In a competition involving more than 400 entries from 75 government agencies and departments, 77 federal projects were chosen to receive Federal Design Achievement Awards for superiority in design. The ceremony for the Northeast recipients of Federal Design Achievement Awards was held at the National Design Museum on July 14, 1995 and was hosted by National Endowment for the Arts' Chairperson Jane Alexander. A small number of winning projects were then chosen to receive Presidential Design Awards. In recognition of the high caliber of the National Design Museum's seven winning projects, the Museum will receive one Presidential Design award for all seven projects.

The Museum's new graphic identity program, created by Drenttel Doyle Partners, continues to be honored by the

graphic design field. In 1995, the Museum received a 1995 Distinguished Merit Award for Environmental Graphics and a 1995 Merit Award for the Identity Program from the Art Director's Club and a Citation for Typographic Excellence from the Type Director's Club.

The National Design Museum received a \$98,000 grant from the Smithsonian Institution to support the Institution's efforts to increase its Latino audience and expand its coverage of Latino contributions to history, art, and science. The National Design Museum is using this grant to support educational programs, exhibition development and the establishment of a Latino archive.

The historical importance of the National Design Museum's collections was demonstrated when the Museum was asked to work with the restoration committee on the refurbishing of the Blue Room at the White House. Assistant Curator for Wallcoverings, Joanne Warner, worked with a committee of historians, curators, and designers to select the wallcoverings for the room. The Blue Room wallcoverings are now complemented by borders adapted from two early nineteenth-century French papers found in Cooper-Hewitt, National Design Museum's collection.

During 1995 the Education Department of the National Design Museum continued to offer exciting and imaginative educational programs. The National Design Museum and The Board of Education of the City of New York, Division of School Facilities co-sponsored the second annual Summer Design Institute in July. This year's program, attended by over one hundred public school teachers, focused on technology and education. The Summer Design Institute was one of many innovative workshops for educators and school programs presented by the National Design Museum including "A City of Neighborhoods," "Studio After School," "Design Career Days," and "Les Journées des Artisans."

In addition to achieving many noteworthy goals in 1995, the Museum continued work on several important long-term projects including major exhibitions on the North American city, universal design, and sports. The Museum is also developing an exhibition, a triennial, that focuses on the best of the design world.

Design and its impact on individuals, societies and the planet are critical issues for the present and the future. Cooper-Hewitt, National Design Museum is in a unique position to help the public gain a better understanding of design and learn to use design to create a better world.

## *Hirshhorn Museum and Sculpture Garden*

The Hirshhorn Museum and Sculpture Garden reached its 20th anniversary as the Smithsonian Institution's showcase for modern and contemporary art in October 1994. Today, as in 1974, the Museum remains committed to increasing the

awareness and understanding of art through acquisitions, exhibitions and publications, research activities, innovative public programs, and the presentation of the collection in its galleries and outdoor exhibition spaces. The museum provides a public facility for the exhibition, study, and preservation of 19th- and 20th-century art while presenting a spectrum of contemporary work.

With the help of various acquisition funds, as well as gifts from generous donors, the museum continued to acquire significant works by modern and contemporary artists, among them Chuck Close's painting *Roy II* (1994), Agnes Martin's canvas *Untitled #11* (1984), Ana Mendieta's earth sculpture *Untitled* (1984), Roberto Márquez's painting *Theater of the World* (1988), Juan Muñoz's bronze *Conversation Piece* (1994-95), and Andy Warhol's silkscreen *Self-Portrait* (1986). One acquisition that proved particularly popular after its installation on the Sculpture Plaza was Barry Flanagan's eight-foot-high bronze *Drummer* (1989-90), a whimsical representation of a standing hare banging a drum.

The 2.7-acre Hirshhorn Museum plaza won a 1995 Federal Design Achievement Award on May 24, 1995. The renovation and landscaping project by James Urban Associates of Annapolis, Maryland, introduced trees, accessibility features, areas of lawn, and granite flooring to the plaza. Finished in 1993, it was among 77 designs chosen from more than 400 federal projects completed between 1984 and 1994.

The Hirshhorn's exhibition program highlighted contemporary artists with growing international reputations. Opening on November 3, 1994 (and continuing through January 29, 1995) was the first East Coast showing of "Bruce Nauman," a 30-year retrospective of some 60 works by this celebrated American artist (b. 1941) that toured from Madrid, Minneapolis, and Los Angeles and was bound for New York and Zurich. Organized by the Walker Art Center in Minneapolis in association with the Hirshhorn, the exhibition included sculpture, photographs, drawings, films, architectural environments, holograms, and high-intensity video, neon, and voice installations.

The challenging nature of the exhibition spurred in-depth public programming. "Floating" docents and an "advice center" encouraged visitors to articulate and discuss their responses. "Young at Art" programs on November 19 and December 10 focused on a shadow-puppet piece. Four champions of Nauman's art debated his reputation in a December 14 panel titled "Nauman Then and Now," and programs of music (by the 20th Century Consort) and film echoed Nauman's influences. In addition, the second annual Mordes Lecture in Contemporary Art, sponsored by collectors Dr. Marvin and Elayne Mordes of Baltimore, brought the renowned New York-based critic Peter Schjeldahl to the Hirshhorn on December 4 to discuss Nauman's achievement. Publications accompanying the exhibition included a free gallery handout and a 215-page, richly illustrated softcover catalogue by exhibition co-curators Neal Benezra, Director of Public Programs and Chief Curator at the Hirshhorn, and Kathy Halbreich, Di-

rector of the Walker, plus two guest essays. A 392-page hardcover edition featured a catalogue raisonné. Support for the Washington presentation of "Bruce Nauman" was provided by Mr. and Mrs. Robert Lehrman and the Lannan Foundation.

After the Nauman show closed, large-scale exhibitions at the Hirshhorn ceased for nearly four months to allow for extensive renovations to the second floor. The schedule resumed from June 14 to September 10, 1995, with "Sean Scully: Twenty Years, 1976-1995," which launched its international tour at the Hirshhorn. Organized by former Hirshhorn Chief Curator Ned Rifkin, now Director of the High Museum of Art in Atlanta, the retrospective charted the evocative abstract imagery of this Irish-born American artist (b. 1945) with more than 60 paintings and works on paper. After its Washington showing, it traveled to the High Museum, the organizing institution (October 10, 1995-January 7, 1996), and then to Barcelona, Dublin, and Frankfurt. Public programs included "Sean Scully: A Dialogue," a slide-illustrated conversation between Rifkin and the artist on June 14; "Summer Abstractions," a "Young at Art" family workshop to make geometric images, on July 15; and a 40-minute interview video in the Orientation Theater. A fully illustrated, three-essay, 160-page catalogue was published by Thames and Hudson.

The Directions series of one-gallery shows during the year offered three distinct installments underscoring the vitality of contemporary art. "Directions—Gary Simmons," presented November 17 to February 12, 1994, featured cartoon-derived chalk images on ten panels and a 10-by-37-foot gallery wall created by this New York-based artist (b. 1964). The drawings on green or black chalkboard-like surfaces—half-erased, fragmentary, or in motion—showed images and objects gleaned mostly from cartoons of the 1930s and 1940s starring Bosko, a now-largely-forgotten, race-specific character. The exhibition, organized by Assistant Curator Amada Cruz, marked the second solo show in a museum for Simmons.

"Directions—Cindy Sherman: Film Stills," presented March 15 to June 25, 1995, marked the first complete showing of a formative series for this New York-based artist (b. 1954) known for her evocatively staged, self-posed photographs. The 69 black-and-white photographs of 1977-80, echoing the atmosphere and imagery of American and European movies from the late 1940s through early 1960s, featured an imaginary woman—always the artist herself, in make-up and costume—variously displaying vulnerability, anxiety, self-consciousness, or fear. The exhibition, organized by Associate Curator Phyllis Rosenzweig, was accompanied by a free brochure illustrating the entire series in contact-sheet format.

"Directions—Martin Kippenberger: Works on Paper," presented from July 20 through October 22, 1995, featured more than 50 drawings on hotel stationery and collages by this German artist (b. 1954) dating from the 1980s and 1990s. Stationery mostly from European hotels showed a colorful pastiche of styles, figures, portraits, images of objects, imaginary scenes, and references to high art and pop culture. The nine collages on view superimposed photographic and text frag-

ments from magazines and tabloids. The exhibition, organized by Frank Gettings, the Hirshhorn's Curator of Prints and Drawings, marked the first solo show in Washington for Kippenberger, a highly visible participant in Germany's art scene, and one of his few ever in an American museum. It was accompanied by a free, illustrated brochure.

Public programs were planned for all three Directions exhibitions, drawing enthusiastic response. On January 20, 1995, Simmons joined cultural critic Gina Dent for "Cartoons, Popular Images and Culture," an on-stage dialogue and screening of "Bosko" cartoon excerpts. Also in conjunction with the Simmons show, a Young at Art family workshop on February 11 inspired children to make "Chalkboard Expressions" in tandem with African American folktales. Sherman's "film stills" inspired a film-noir festival in March, a class photography project and exhibition in May with the Duke Ellington School of the Arts in Washington, D.C., a technical lecture on film stills on April 26 by local photographer Dirck Halstead, and a "Young at Art" photo-collage workshop on March 18.

The Hirshhorn continued its "Collection Reviewed" program sponsored by the Smithsonian's Special Exhibition Fund. Two artists represented in the permanent collection, Robert Colescott of New Mexico and Julião Sarmento of Lisbon, Portugal, spoke in slide-illustrated public lectures on April 12 and May 17, with Sarmento's appearance receiving additional support from the Luso-American Development Foundation. The program also featured "The Collection in Context: Thomas Eakins's Portrait of Frank Hamilton Cushing" opening June 30, 1995 (and continuing through January 7, 1996). Organized by Associate Curator Phyllis Rosenzweig, the innovative one-gallery presentation explored the context and creation of an American realist's portrayal, 100 years ago, of a Smithsonian ethnologist famed for his research at Zuni Pueblo. The 1895 portrait was lent by the Thomas Gilcrease Institute of American History and Art in Tulsa, Oklahoma. Supplementing studies for the work owned by the Hirshhorn, loans came from the Smithsonian's National Anthropological Archives, National Portrait Gallery, and Library of the National Museum of American Art and the National Portrait Gallery.

"First Fridays: Gallery Talks," a program of informal monthly gallery talks by staff, was inaugurated in April 1995 with a discussion by Associate Curator Phyllis Rosenzweig on a Louise Bourgeois sculpture, followed by conservators Lee Aks and Clarke Bedford on a sculpture by Anish Kapoor; Chief Curator/Director of Public Programs Neal Benezra and Chief Conservator Lawrence Hoffman on a painting by Gerhard Richter; and Research Assistant Anne-Louise Marquis, Curator of Sculpture Valerie Fletcher, and Education Specialist Teresia Bush on works by Jan Vercruyse, Alberto Giacometti, and Anselm Kiefer, respectively.

Eight "Young at Art" family programs enthralled more than 160 six-to-eleven year olds and their parents with tours of a temporary exhibition or the permanent collection fol-

lowed by hands-on art projects. Some workshops focused on sculpture: the first, on May 6, 1995, helped children with visual impairments experience works of art, and the second on June 10, featured a sculpture-inspired dance-movement workshop conducted in the Sculpture Garden. Meanwhile, more than 22,000 people attended free film programs from late September 1994 through May 1995 featuring cutting-edge international independent cinema, documentaries on contemporary artists, and family-oriented animation. Among the highlights were the one-time-only American showing of British filmmaker Peter Greenaway's *Baby of Mâcon* on October 27 and 28, 1994; the world premiere of *A Jury of Her Peers*, a drama by local filmmaker Edgar Davis, on February 2 and 3, 1995; and *Germany Year 90 Nine Zero*, a new feature by French New Wave veteran Jean-Luc Godard on June 8 and 9.

Staff changes included the retirement of Edward P. Lawson, Education Chief since 1973, and the appointment in May 1995 of Olga Viso, previously with the Norton Museum of Art in West Palm Beach, Florida, as Assistant Curator. Viso replaced Amada Cruz, who joined the staff of the Museum of Contemporary Art in Chicago.

A major exhibition introduced Asian audiences to the Hirshhorn's sculpture collection. "The Human Figure Interpreted: Modern Sculpture from the Hirshhorn Museum" was presented March 24-May 28, 1995, at the Taipei Fine Arts Museum in Taiwan, accompanied by a bilingual catalogue in Chinese/English by Curator of Sculpture Valerie Fletcher, who organized the show. The largest presentation of sculpture from the Hirshhorn ever sent overseas featured some 60 works by Edgar Degas, Henri Matisse, Alexander Archipenko, Alberto Giacometti, Henry Moore, and Marino Marini. After Taiwan, the exhibition was expanded to include works by Auguste Rodin and Jacques Lipchitz and then toured Japan accompanied by a Japanese/English catalogue. The tour, supported by the Tokyo-based Yomiuri Shimbun newspaper chain, included the Shiga Museum of Modern Art in Otsu (July 1-August 6, 1995), the Odakyu Art Museum in Tokyo (August 9-27, 1995), the Iwaki City Art Museum (September 23-November 5, 1995) and the Takamatsu Municipal Museum of Art (November 10-December 10, 1995).

Art historical research on objects in the permanent collection continued as museum staff reactivated the Artist's Object Record program documenting each work of art. Information was obtained directly from 24 living artists. In other areas, in-depth research on British sculptor Henry Moore was conducted by Curator of Sculpture Valerie Fletcher as a Visiting Scholar to the Henry Moore Foundation in Much Hadham, England.

The curatorial staff continued researching contemporary art by jurying shows, serving on panels, consulting or lecturing, and traveling abroad to visit galleries, studios, and colleagues on several continents. In addition, the six curators kept current on the broad scope of modern and contemporary art through periodicals, catalogues, monographs, and interchanges with artists and fellow curators. Finally, curatorial

staff members carried forward their writing on selected works from the collection for a major book to be published in 1996.

## *Institutional Studies Office*

*Zahava D. Doering, Director*

The Institutional Studies Office (ISO) is a pan-Institutional resource for the scientific study of the characteristics, attitudes, opinions and experiences of Smithsonian constituencies. The small staff includes professionals with expertise in sociology, demography, research methods, survey statistics, and a variety of quantitative and qualitative data analysis and evaluation techniques.

Since its founding in 1987, ISO has conducted studies and applied research for Smithsonian administrators, curators and programmatic staff. Areas of investigation include audience and membership profiles, background studies and assessments of SI exhibitions and public programs, and ongoing analyses of employee composition. For each study, ISO is responsible for all aspects of study or survey design, implementation of data collection, analysis and report writing. Institutional clients are asked to assume the costs of data collection and data entry. In addition, the office provides some technical consultation to cultural organizations throughout the country and professional review of applied research conducted for them. The staff is also available, on a limited basis, to conduct seminars in various aspects of applied quantitative and qualitative research and program evaluation.

The results of ISO studies are disseminated in several formats. The major vehicle is a Report series; analyses include technical appendices which both document the work and can be used as methodological models. The Reports are distributed both within and outside of SI. Results are also presented at professional meetings or in journal publications. (For example, a presentation at the American Association of Museums 1995 Annual Meeting, *Who Attends Our Cultural Institutions?* summarized national museum attendance.) Research Notes have a more limited distribution, either because of the subject matter or because the results are not generalizable. (For example, a Research Note (RN 95-3) *Cognitive Development of SEEC Pre-School Students: Preliminary Results* is based on a longitudinal study of students in the Smithsonian Early Enrichment Center; Research Note 95-2, *1994-95 National Museum of American History (NMAH) Visitor Survey. Overview: October to December 1994*, is based on only a few months of data collection from a year-long study.) Finally, to ensure that clients have timely access to results while more formal documents are prepared, memoranda are prepared for internal use.

The Office's 1994-95 activities included:

- Application of ISO-developed methodological and statistical innovations in sampling and interviewing museum au-

diences (e.g. in studies of the characteristics, attitudes and behavior of visitors to NASM, NMNH, NMAH and the Freer-Sackler). These innovations are increasingly being used as models elsewhere in the country.

- Assessments of major exhibitions, including profiles of visitors and analyses of their behavior and learning experiences (e.g., *Science in American Life* at NMAH, *Star Trek* at NASM).
- Planning studies that determine the attitudes and expectations of prospective visitors in advance of major exhibition projects (e.g., the National Museum of the American Indian).
- Providing statistical information on Smithsonian constituencies for bureau and office development staffs and program personnel (e.g., data gathered from various ISO studies is being used in the planning for the NASM Extension at Dulles Airport).
- All of the statistical analyses used by the Institution to meet its labor force reporting requirements to the Regents, the Congress and other federal agencies.
- Statistical, methodological, and analytical advice for units conducting their own studies or applying for grants which have evaluation components (e.g., OESE's and OFG's internal studies).

As part of an on-going efforts to understand Smithsonian constituencies, three studies were completed (one based on administrative data, two based on personal interviews), and data collection completed for several new efforts. The first, 1994 *Visits to Smithsonian Museums*, conducted in collaboration with the Office of Public Affairs (OPA), analyzed the visit statistics collected routinely by the Office of Protection Services (Report 95-1). The second was *Air and Space Encounters: A Report Based on the 1994 National Air and Space Museum Visitor Survey* (Report 95-4). The study, a follow-up to a study conducted in 1988, was based on interviews with 2,975 visitors. They were asked about their background, their experience of Washington and the Mall, and their attitudes and expectations of NASM.

Data collection was also completed and a report issued based on a year-long study of the National Museum of Natural History (NMNH). This is the first comprehensive study of visitors' characteristics and experiences at NMNH (*Beyond the Elephant: A Report based on the 1994-95 National Museum of Natural History Visitor Survey* (Report 95-6)).

Throughout the year, data collection took place at the Freer Gallery of Art (Freer) and the Arthur M. Sackler Gallery (Sackler), and at the National Museum of American History. Analyses and reports are scheduled for FY96. From October 1994 through September 1995, 2500 visitors were interviewed as they exited the Freer and Sackler galleries. During the same time period, a total of about 5300 visitors were interviewed at NMAH using a questionnaire similar to those developed for NMNH and NASM. Data from these year-long studies, in combination with data from NASM and NMNH, and the resultant analyses, provide a wealth of consistent data about major Smithsonian museums.

Two major studies continued ISO efforts to understand the congruence between the intentions of exhibition creators and the responses of the visiting public to exhibitions. The *Science and American Life* (SAL) Study at the National Museum of American History (NMAH) was completed. Data were collected at the exhibition and the associated Hands On Science Center. Entrance and exit surveys were conducted with about 800 visitors to determine if any attitudinal changes resulted from a visit to the exhibition. In addition, the behavior of 160 visitors in the exhibition was systematically observed to understand the importance of exhibition elements and their use (e.g., use of interactives). NMAH will use the analysis and observations as part of an effort to improve the visitors' experience in SAL as well as to respond to questions about its communication effectiveness.

A comprehensive assessment of the *Ocean Planet* exhibition, on view at NMNH prior to a national tour, was designed during FY95 and includes entrance and exit interviews and an observation study. Data were collected from visitors in August 1995; in October 1995, data collection from visitors will be completed.

In sum, as described here and in our publication listing, Fiscal Year 1995 has seen continued use, at SI and elsewhere, of ISO's technical expertise and utilization of the results accumulated since its establishment.

## National Air and Space Museum

*Robert S. Hoffmann, Acting Director*

The past year was an especially challenging one for the National Air and Space Museum. The museum's efforts to mount a complex exhibition about the end of World War II, featuring the Boeing B-29 Superfortress "Enola Gay," elicited considerable debate. Meanwhile, the museum expanded its educational offerings, continued to move forward on plans for the much-needed facility at Washington Dulles International Airport, and launched a contributing membership program.

As the year drew to a close, the museum staff was putting the finishing touches on a schedule of exhibitions and public programs that promise to make 1996, the twentieth anniversary of the public opening of the world's most visited museum, a memorable and exciting year.

### New Programs, Initiatives

The National Air and Space Society, an individual membership program designed to raise capital funds for the building of the NASM Dulles Center as well as to support the Museum's restoration and preservation projects and educational programs, was established in June, 1995. At the end of the fiscal year, the society had more than 2,000 contributing members.

The Office of Development expanded to include both a formal Planned Giving program and a Marketing Office. The museum's Special Events Office coordinated 135 events during FY 1995. Gift-related events generated more than \$450,000 in unrestricted funds, one of the highest totals ever received by NASM.

In May 1995, the NASM home page went online on the Worldwide Web. Supported by a grant from NASA, the museum's Center for Earth and Planetary Studies (CEPS) and the Education Services Department are developing online materials and educational activities. The grant is also supporting development of electronic versions of "Exploring the Planets" and "Looking at Earth" galleries. Educational programs, selected curricula, schedules, and interactive opportunities are now presented through colorful, informative sites. Via a gift from NASA, a collaboration was formed with NASM, the University of California at Berkeley, Smithsonian Astrophysical Observatory, the Lawrence Hall of Science, the New York Hall of Science, the Exploratorium, the Adler Planetarium, and the Virginia Museum of Science to create curricula and activities for the Internet. An on-line station was added to the museum's Teacher Resource Center to allow access to the materials from within the museum as well.

To make our large-screen IMAX films more accessible to visitors, NASM has installed the world's first closed-caption system for a motion picture theater. Captioning is available for up to 12 individuals at a time during all regular daytime features. A new box office is credited with boosting attendance at the Einstein Planetarium.

### Exhibitions

Two exhibitions dominated the museum's FY 1995 agenda. The first, "The Last Act: The Atomic Bomb and the End of World War II," demonstrated the challenges museums can face when attempting to display potentially controversial artifacts and research. While "The Last Act" was cancelled by Secretary Heyman several months before its scheduled opening, the controversy surrounding the exhibition served as a catalyst for constructive discussions regarding exhibition development and guidelines.

The cancelled exhibition was replaced with "Enola Gay," an exhibition focusing on the aircraft itself; the men who flew it; and the efforts of museum staff and volunteers to restore it. More than a quarter of a million visitors passed through the "Enola Gay" exhibit in its first three months.

"Building the Arsenal of Democracy: World War II Photographs from the National Air and Space Archives" opened in March 1995. The 47 photographs in the exhibition illustrate the changes brought about by the combined efforts of military personnel and private citizens, working not only to support those on the front lines, but also to protect the United States from attack.

A Grumman F6F-5 Hellcat was the third and final aircraft in the museum's "Air Power in World War II" series. "Hellcat" opened in April 1995 and provided visitors with the op-



portunity to learn about the premiere carrier-based fighter of World War II.

"Flights of Fancy: Photographs by Jacques-Henri Lartigue, 1904-1922," opened in September 1995. In 1904, at the age of eight, Lartigue photographed the first glider flight by French aviator Gabriel Voisin. By the age of 15, he had taken more than 1,000 photographs of early aviators and flying machines. This temporary exhibition features 84 prints.

A light-hearted look at one of America's best-known toys, "Flight Time Barbie: Dolls from the Popular Culture Collection of the National Air and Space Museum" was on display from June 9 through Sept. 4, 1995. Fifty-six space- and aviation-related toys, including 15 Barbie dolls, 19 other Mattel personalities, outfits and playsets, were included in the summertime display.

The first in a series of major updates to the "Exploring the Planets" gallery were made in 1995. A "What's New" unit will highlight the Galileo Mission to Jupiter. It has been designed to allow for quick updates as new images and data become available. A unique, state-of-the-art 10' x 10' global color mosaic of Venus generated for NASM at NASA's Jet Propulsion Laboratory using images returned by the Magellan spacecraft has been installed over the gallery's entrance.

## Publications and Research

Retired Vice Admiral Donald Engen, U.S. Navy, is the museum's Dewitt C. Ramsey Chair for Naval Aviation History. During his tenure as Ramsey Fellow, Admiral Engen is writing a book on the development of naval aviation from World War II through the 1980s.

Von Hardesty, of the Department of Aeronautics, was chosen as a Regents Publication Fellow for 1994-1995. He is the editor of the Smithsonian History of Aviation Book Series. The series, now in its seventh year, has a total of 26 publications.

*Treasures of the National Air and Space Museum*, a small-format (4x4-1/2 in) picture book published in September, features more than 280 artifacts from the Museum's aeronautics and space collection. Published in April 1995, *Aviation: A Smithsonian Guide* and *Spaceflight: A Smithsonian Guide*, explore the technological and human achievements of aviation and space flight. A third book in this series, "Planets: A Smithsonian Guide" was completed.

Tom Crouch, chairman of the Department of Aeronautics, completed an essay, "Capable of Flight: The Saga of the 1903 Wright Airplane," for the forthcoming volume, *The Smithsonian on Exhibition*. He also assisted the 2003 Committee of Dayton, Ohio, the Ohio Centennial of Flight Commission, the North Carolina Centennial of Flight Commission and the First Flight Society, Kitty Hawk, North Carolina, in planning for the 100th anniversary of powered flight.

Flying aboard the Kuiper Airborne Observatory, a modified C-141 aircraft and telescope, Laboratory for Astrophysics staff members discovered that strong natural infrared lasers occur in the disk of material around a peculiar star, MWC349, and

they have successfully modeled the phenomenon in some detail.

CEPS' ongoing research in Earth's drylands and studies assessing anthropogenic changes to the Earth's surface are part of the Institution's Global Change Research Program. Staff members continued their study of present day sand transport and paleoclimatic change in the Western Desert of Egypt; conducted field work in support of a study of environmental stability and change at the Mpala Research Station, central Kenya; and, using remote sensing data, field evidence, and sedimentological data, demonstrated that sand deposits in the Mojave Desert in the southwestern United States have been transported along distinct paths, crossing topographic barriers and several adjacent drainage basins.

As a component of CEPS research in planetary geology and geophysics, staff members continued geologic mapping of areas of Mars; and, using radar images and data from Magellan, of Venus. CEPS Chairman Tom Watters, with a colleague at Cornell University, published the results of a comparative study of volcano-tectonic structures on Mars and analogous structures on Venus known as coronae. Ted Maxwell and Bob Craddock published the results of their analyses of the ancient terrain that provides further support for an early, wet Martian climate. Bruce Campbell, Bob Craddock, and Tom Watters have begun investigations of the Moon using new data returned by the Clementine spacecraft.

## Education and Outreach Activities

During the past year, more than 129,000 people participated in educational programs and services at the Museum, 65,000 of them students. Several schools utilized the programs via Internet and television programs. The museum continues to look for opportunities to provide educational materials and resources not only to museum visitors, but also to educators and families who cannot physically come to the museum.

In July 1996, the museum will open "How Things Fly." The purpose of the gallery, is to teach the basic forces of flight in a hands-on, interactive fashion. The gallery will be supported by the museum's successful Explainers Program, a group of high school and college students who provide children and families with demonstrations on the forces of flight and the nature of the universe. The Cessna Aircraft Company pledged \$1.5 million for a ten-year period to fund "The Explainers." Cessna's gift is the largest ever received by the Museum for an educational program.

Other recent successes include a summer camp for students in grades 4-12, focusing on the curricula for "Where Next, Columbus?," and two IMAX films, "Blue Planet" and "Destiny in Space." More than 300 students attended the camp, made possible through a gift from the M&M Mars Company.

In collaboration with the Foundation for Advancements in Science Education, the Public Broadcasting System, the National Science Foundation, and several other funders, the Department launched "Innovations in the American Classroom." This special series invites nationally recognized outstanding



science and history teachers to share teaching methodologies and practices with their peers. The first presentation was Disney teacher of the year, Kay Toliver, who has been profiled in *Time*, *Parade*, *Newsweek*, and in the PBS series, "The Eddie Files" and "Good Morning Mrs. Toliver."

The Department worked with Maryland Public Television and other partners to produce "Live From the Stratosphere," an interactive experience at the museum that allowed students and teachers to communicate directly via a satellite uplink with researchers aboard the Kuiper Airborne Observatory, as well as with research staff in the museum.

The Department won an Educational Outreach grant in support of a history teaching program on the experience of Hispanics in the development of aviation entitled "Sin Limitas: The Latin American Experience in Aviation." This program gave students from D.C. area schools the opportunity to meet World War II Flying Tiger Don Lopez and Orestes Lorenzes, a pilot who escaped from Cuba with his family. Students also had the opportunity to explore the museum's archives of photos and information on Hispanics in aviation and learn about the science and technology of flight.

Although the Educational Services Division takes the lead in developing educational projects, other departments in the museum join in advancing the educational focus of the museum. The Laboratory for Astrophysics was cited by the U.S. Department of Education for its innovative family education series, "Learning is a Family Experience." This program, now centered at the National Zoo, was developed by the Laboratory for Astrophysics, the NASM Educational Services Division, and the Zoo's NOAH center. The program works to build the support structures between parents, teachers, and students by presenting programs that they can all enjoy together, while providing teachers with follow-up curriculum materials and training. The program is supported in part by the American Institute for Aeronautics and Astronautics.

The Einstein Planetarium has started a monthly Saturday morning program called "Family Star Watch." The program presents shows that combine live demonstrations, lectures, and fully automated pre-programmed shows, offering the public a variety of venues to learn about the nighttime sky. The Planetarium staff is also planning two new programs that will open in 1996.

The 1995 Mutual Concerns of Air and Space Museums conference, in its eighth year, is a four day invitational seminar co-sponsored by the museum and the American Association of Museums. Held in Washington, D.C., it includes professionals from aviation and space museums around the world. A related publication, the *Aviation and Space Compendium* contains comprehensive information on 62 international aviation and space museums. The seminar and the Compendium are coordinated by the museum's Office of Cooperative Programs.

## National Museum of African Art

*Sylvia H. Williams, Director*

The National Museum of African Art celebrates the rich visual traditions and extraordinarily diverse cultures of Africa. Through its collections, exhibitions, research and public programs, the museum fosters an appreciation of African art and civilizations. It is also a research and reference center, housing the Eliot Elisofon Photographic Archives and the Warren M. Robbins Library, a branch of the Smithsonian Institution Libraries, as well as exhibition galleries and educational facilities.

### Exhibitions

The first level of the National Museum of African Art houses several permanent exhibitions: "The Art of the Personal Object," "Purpose and Perfection: Pottery as a Woman's Art in Central Africa" and "Images of Power and Identity." In addition, this year the museum reopened the revised and refurbished permanent exhibition, "The Ancient West African City of Benin, A.D. 1300-1897," featuring the museum's collection from the royal court of the capital of the Kingdom of Benin as it existed before colonial rule. The majority of the works were a gift from Joseph H. Hirshhorn to the Smithsonian Institution in 1966 and 1979; the objects were transferred to the National Museum of African Art in 1985 by the Hirshhorn Museum and Sculpture Garden.

In addition, this year, in collaboration with the Museum of Fine Arts, Boston, the museum opened "The Ancient Nubian City of Kerma, 2500-1500 B.C.," a three-year loan exhibition of works from the permanent collection of the Museum of Fine Arts, featuring objects from Kerma, an ancient Nubian city that was located on the Nile River. The exhibition was organized by the Museum of Fine Arts, Boston, and its Department of Ancient Egyptian, Nubian and Near Eastern Art; all objects are from the Harvard University-Museum of Fine Arts, Boston, Expedition.

Also located on the first level is the Point of View Gallery which presents small temporary exhibitions that focus on specific themes or objects. This gallery was the site of three exhibitions: "Beaded Splendor," "Grace Kwami Sculpture: An Artist's Book by Atta Kwami" and "Art from the Forge."

The museum's second level gallery was the site of two important exhibitions. The first, "Mohammad Omer Khalil, Printmaker, Amir I.M. Nour, Sculptor," was devoted to selected works by two artists born in the Republic of Sudan. A second major exhibition, "Ancient Nubia: Egypt's Rival in Africa," presented 300 artifacts that document the rise and fall of Nubian kingdoms from 3100 B.C. to A.D. 400. The exhibition was organized by the University of Pennsylvania Museum.

## Acquisitions

Among the most significant works acquired by the museum in the past year were a superb and rare carved wooden face mask from the Lele peoples of Zaire and a carved wooden face mask, "Oloju-foforo," attributed to Yoruba artist Bamgboshe of Osi-Ilorin, Nigeria (d. c. 1920). Another noteworthy acquisition was "Spoon," a conceptually complex modern bronze sculpture by Amir I. M. Nour (b. 1939), a contemporary sculptor who was born in the Republic of Sudan and has lived in the United States most of his adult life.

## Outreach Efforts

The museum presented a wide range of public programs. The year's offerings included tours, workshops, lectures, gallery talks, panel discussions, films, musical performances and programs for educators.

An extensive series of programs were offered in conjunction with the exhibition "Ancient Nubia: Egypt's Rival in Africa." One highlight was an interdisciplinary panel discussion on "The Art and Culture of Ancient Nubia." Participants in the standing room only program included historian Ismail Abdallah, College of William and Mary; archaeologist David O'Connor, The University of Pennsylvania Museum; cultural anthropologist Ann Jennings; and archaeologist Nettie K. Adams, The Webb Museum of Anthropology. In addition, the museum published a gallery guide for young audiences.

Also this year the museum launched an ongoing program for young audiences called "Let's Read about Africa." The weekend program introduces young visitors to African culture, visual traditions and the joy of reading.

The National Museum of African Art continues to make itself accessible to people with special needs. Tours for hard-of-hearing visitors were made possible through a portable FM Assistive Listening System. This system also allowed hard-of-hearing visitors to participate in educational programs in the workshop and lecture hall. Sign language interpreters for deaf visitors were available upon request for all museum programs.

## Publications

Throughout the year, the museum's curatorial staff published exhibition catalogues and additional informational materials to accompany exhibitions. This included a 52-page illustrated book, "Mohammad Omer Khalil, Etchings, Amir I.M. Nour, Sculpture," published in conjunction with the exhibition of the works of two Sudanese-born artists. In addition, the museum published gallery brochures in conjunction with two exhibitions: "Grace Kwami Sculpture: An Artist's Book by Atta Kwami" and "Art from the Forge." The museum also co-published with the Smithsonian Institution Press the anthology *African Nomadic Architecture: Space, Place, and Gender* edited by architect and architectural historian Labelle Prussin. In this handsomely illustrated book, Prussin identifies the three basic elements that distinguish nomadic from sedentary architecture: mobility, gender and ritual.

## National Museum of American Art

### Elizabeth Broun, Director

The National Museum of American Art and its Renwick Gallery offered thematic exhibitions and relevant public programs on American art to audiences in Washington, and through traveling exhibitions and online programs, to museum-goers nationwide during 1995. The museum made important additions to its permanent collections of American art and crafts in all media. Significantly expanded electronic outreach and important strides in development and increasing private revenue were also major accomplishments.

The White House Collection of American Crafts exhibition and its complementary Internet tour showcased 72 outstanding examples of contemporary craft by some of America's most innovative artists in glass, ceramics, wood, metal, and fiber. These works were originally assembled by former Renwick Gallery curator-in-charge Michael W. Monroe for display in public and private rooms of the White House in recognition of the Year of American Craft in 1993. First lady Hillary Rodham Clinton addressed a press preview and a reception for the White House Collection of American Crafts exhibition. After its Washington premier at NMAA April 26 through September 4, the show began a six-city national tour in Rochester, New York.

An in-depth survey of the American daguerreotype through some 150 surprisingly varied examples, curated by NMAA senior curator Merry Foresta and John Wood of McNeese State University in Louisiana, was provocatively titled, *Secrets of the Dark Chamber: The Art of the American Daguerreotype*. The use of fiber optic lights in the installation was a first for the museum. These lights permitted easy viewing of the images on their silvered surfaces. The exhibition catalog, published by Smithsonian Press, was named best photography book of the year by The New York Times Book Review.

Free Within Ourselves: African-American Art from the Museum's Collection curated by Lynda Hartigan was a chance for the museum to display a broad selection from what has become the country's most extensive public collection of African-American art. Nearly 200 works by some 100 African-American artists from the early 19th century to the present in all media made it possible to see the scope of the African-American contribution to the visual arts in America as never before. The show introduced the museum's first photography by African-Americans. A lively reception for the exhibition drew a large component of artists and their families. The show's Family Day attracted a record number of participants for art demonstrations and hands-on activities, storytelling, and dance and dramatic performances. In conjunction with the exhibition, the education and curatorial departments of the museum produced "African American Artists: Affirmation Today," a 30-minute video on the life and

work of five contemporary artists. The film has been accepted by PBS for national broadcast in 1996.

African-American crafts were featured in an exhibition at the Renwick Gallery called *Uncommon Beauty in Common Objects: The Legacy of African American Craft Art*, April 7 through June 18. The exhibition, organized by the National Afro-American Museum and Cultural Center in Wilberforce, Ohio, was complemented by more than a dozen artists' talks and demonstrations.

Many of the museum's second floor galleries devoted to 19th-century art were reinstalled this year. Plans were completed for the remaining second floor reinstallation, to be ready in time for the 150th anniversary year.

The National Museum of American Art continued to show great strength in its acquisitions program, adding some 600 works, including major paintings by American modernists Georgia O'Keeffe and Robert Motherwell, a 24-foot wide sculpture by Louise Nevelson, important works by Latino artists, and the Charles Isaacs Collection of 330 prime examples of early American photography. The Renwick Gallery acquired 60 new examples of 20th-century American crafts, made possible by its support group, the James Renwick Alliance. This year, the Alliance passed the half-million dollar mark in gifts to the Renwick for acquisitions. Building on the success of its two-year-old presence on America Online, the museum's New Media Initiatives staff achieved a quantum leap by making collection images and related texts available to Internet users around the world. Parallel effort advanced design and production of a state-of-the-art multimedia CD-ROM to be marketed during the Smithsonian's 150th anniversary year in 1996.

The museum's introduction of a rich Gopher site on the Internet in January was followed shortly by the April premiere of a World Wide Web Internet Home Page that maximizes the site's ability to seamlessly combine texts and images and transmit video and many other enhanced capabilities. The web site contains an unsurpassed complement of resources available electronically, including an extensive virtual tour of "The White House Collection of American Crafts" exhibition [<http://www.nmaa.si.edu/whc/americancrafts>], featuring visits to craft artists' studios and the White House, made possible by a gift from MCI. This and another tour based on the NMAA daguerreotype exhibition, "Secrets of the Dark Chamber: The Art of the American Daguerreotype," inaugurated the museum's plan for providing an online version of each major exhibition organized. Myriad electronic "visitors" have registered their delight with the online offerings, which have been acknowledged and praised in the national press. In September senior staff participated in a retreat to consider the future of electronic technology initiatives at the museum.

The first new publication on the permanent collection in a decade, *National Museum of American Art*, copublished with Bulfinch, features 450 full-color illustrations and texts and invites readers to explore a wide range of the museum's holdings. The book is organized thematically to reflect the variety

of concerns and aesthetic visions that have shaped American art over the past three centuries. Three hundred objects for re-photographed for the publication. The book is a companion to the extensive collection CD-ROM to be issued in early 1996. Almost 80,000 Contributing Members of the Smithsonian received *National Museum of American Art* as the Smithsonian's annual gift.

Together with Hyperion Books for Children (a Disney affiliate), the museum published a new book edited by education chief Nora Panzer. *Celebrate America in Poetry and Art*, joins poems and visual art to illuminate the ethnic, economic, and geographic diversity of the American experience. The illustrations are all from the museum's collection; the poems feature some of America's finest writers. The *New Yorker's* Daniel Menaker praised the book saying, "The pages team with creativity and variety." *Celebrate America* was selected for the Notable Children's Trade Books in the Field of Social Studies 1995 list and was awarded a star of recognition by the *School Library Journal*. Over 20,000 copies have been sold.

Independent scholar Sidra Stich, former chief curator at the University Art Museum in Berkeley, California, was in residence as NMAA's Distinguished Scholar in American Art for the 1994-1995 academic year. Professor Neil Harris, Preston and Sterling Morton Professor of History, University of Chicago was selected as Distinguished Scholar in American Art for the 1995-1996 academic year.

At the Renwick Gallery, Kenneth R. Trapp, formerly curator of decorative arts at the Oakland Museum, was appointed curator-in-charge as of October 1 after the retirement of 21-year-veteran Michael W. Monroe. Jeremy Adamson served as acting curator-in-charge following Monroe's departure on June 30.

Outreach to District of Columbia schools by the Renwick was significantly increased in a program supported by the James Renwick Alliance.

After the closing of Pennsylvania Avenue in front of the White House, discussions began between the museum and the National Park Service on how best to accommodate Renwick access and proposed landscaping.

In the business arena, the museum hired its first ever full-time development officer in June and set up a Development Department to handle membership and fundraising for special exhibitions and their publications, education programs, electronic outreach initiatives and special projects. The museum also launched a quarterly members' newsletter to keep special constituents in closer touch with activities and behind-the-scenes information.

Product development and licensing activity saw major growth, with fees to the museum increased by 25 percent over FY94 levels. For one project, the museum joined forces with the National Portrait Gallery to create a spectrum of new postcards from the collections at a great saving. Summer Courtyard Grill food service was expanded to twice weekly, in operation from May through September.

A space lease was signed on September 1 for 9,000 square feet of office space at 601 Indiana Avenue, NW to house approximately 40 employees in the museum's Research and Scholars Center and the Publications and New Media Initiative Office. Renovations will proceed a move in January 1996.

The museum's traveling exhibition program enjoyed a banner year, with a William H. Johnson retrospective scheduled for seven museums across the country. Tours of contemporary landscape photography, Thomas Cole and William H. Johnson's *Homecoming* were successfully concluded. In other travel-related activity, curators and the registrarial staff planned for 19 objects from the NMAA and Renwick collections to travel with the two-year national tour of "America's Smithsonian," honoring the Institution's 150th anniversary.

## *National Museum of American History*

*Spencer R. Crew, Director*

The National Museum of American History (NMAH) dedicates its collections and scholarship to inspiring a broader understanding of our nation and its many peoples. Drawing on more than 17 million objects in its collections and the holdings of its Archives Center, the museum creates learning opportunities, stimulates imaginations, and presents challenging ideas about our nation's past through original research, exhibitions, publications, and public programs.

The museum this year announced the founding of the Jerome and Dorothy Lemelson Center for the Study of Invention and Innovation on May 31, 1995, through a \$10.4 million gift from the Lemelson Foundation. The center is named after its benefactors, Jerome Lemelson, one of the nation's most prolific inventors, and his wife, Dorothy. Their gift was the largest cash donation ever presented to the Smithsonian Institution. Lemelson holds more than 500 patents for a range of inventions relating to videocassette recorders, cordless telephones, and many other devices. His patented inventions in robotics, machine vision, and flexible manufacturing have profoundly influenced computer chip manufacturing and the automotive industry.

The primary mission of the Lemelson Center is to document, interpret, and disseminate information about invention and innovation. Through a variety of public programs, exhibitions, research efforts, and electronic outreach projects, the center hopes to encourage inventive creativity in young people and foster an appreciation for the central role invention plays in the history of the United States.

On June 1, the Lemelson Center kicked off its "Innovative Lives" program for children and young adults with a series of lecture-demonstrations by Hal Walker. An former aerospace engineer, Walker shared his ideas on innovation as a career and explained his research on lasers. He also helped illustrate

the properties and applications of laser light for 85 middle-school students in the museum's Hands On Science Center. The center also immediately opened its own home page on the World Wide Web. The address is <http://www.si.edu/organiz/museums/nmah/homepage/lemel/>

To serve the museum's large and diverse audiences, staff members organized, produced, presented, and often performed scores of other public programs—musical, dramatic, scholarly, popular, and participatory. On October 7 and 8, the continuing American Sampler series presented the first installment of "The Guitar: Art and Soul." Hispanic artists performed classical, flamenco, and traditional works, followed later in the year by two more performance weekends featuring jazz, blues, rhythm and blues, and gospel guitar styles. American Sampler also presented "Native American Women's Music" in November to explore the often overlooked role of women in Native American music. In April, the continuing series American Song presented "This Song Is You: A Centennial Celebration of Oscar Hammerstein II," the preeminent lyricist of the American musical theater's golden age. Another American Song offering in June focused on the work of lyricist Marilyn Bergman, cowriter of such songs as "Windmills of Your Mind" and the score for *Yentl*. The Office of Education and Visitor Services organized programs throughout the year, including "What's the Catch: Fish, Shellfish, and Fisheries in America." In this the two-day conference, six panel discussions focused on American fisheries, their role in the life of the nation, and how their harvests can be both bountiful and safe. "Campfire Diary," presented in February, was a multimedia presentation by art professor Roger Shimomura that grew out of a journal kept for fifty-six years by his grandmother, a Japanese American pioneer and midwife sent to an internment camp during World War II.

The Program in African American Culture (PAAC) offered "Fighting Two Wars: African Americans in World War II" in October. The conference, held at the historic Lincoln Theatre, chronicled the experiences of African American men and women in the U.S. Army during World War II. In January, PAAC presented "Birthplace of a Whirlwind: The 1960 Greensboro Sit-In," an afternoon program of reminiscences, a song workshop, and a museum tour that commemorated the birthday of Martin Luther King, Jr. A few weeks before the program, the museum had put on display a section of the lunch counter from the Woolworth's store in Greensboro, North Carolina, which was the scene of one of the first organized sit-ins by college students to protest segregation during the Civil Rights Movement.

Hollywood filmmaker John Singleton, director of *Boyz 'n the Hood*, was among the participants at the conference "100 Years of Black Film: Imaging African American Life, History, and Culture" on February 1-4. The conference featured a series of film screenings, a showing of Oscar Micheaux's classic silent film *Within Our Gates* with live musical accompaniment, and lectures by historians, filmmakers, and authors. The four-day event was presented by PAAC and the Ethnic Imagery

Project of the Archives Center. Additional sponsors included the Black Film Institute of the University of the District of Columbia and "Black Film Review" magazine. On April 28, more than 300 junior and senior high school students from 18 public schools the Washington, D.C., area participated in a showcase of poetry, song, and dance during the Smithsonian's Fourth Annual Duke Ellington Youth Festival. The students also displayed original works of art based on themes in Ellington's life and work in a temporary exhibition presented in conjunction with the festival.

In March, for Women's History Month, the museum offered "What's American About American Quilts?," a conference examining aspects of American and European quilting traditions. The forum was presented with support from the American Quilt Defense Fund. On March 14, the museum opened the exhibition "Putting Her Best Quilt Forward: Exhibiting at the Fair," which focused on how fairs gave women of the 19th century an opportunity to display their talents and gather new ideas for quilts. Both the conference and the exhibition were offered in conjunction National Quilting Day. Another Women's History Month program, "The Yellow Rose of Suffrage," was a one-woman performance by playwright-actress Jane Cox based on the life of suffragist Carrie Chapman Catt. In August, to celebrate the 75th anniversary of woman suffrage, the museum also produced the symposium "Visions of Equality: Past and Future" on August 25.

Several new program series presented lectures and discussions throughout the year. The Forum on Environmental Justice series examined pollution in the nation's capital, environmental justice and Native Americans, and other topics. Looking American focused on civilian dress during World War II. Staff of the museum's Division of Costume offered talks on subjects such as wartime restrictions and fashion, appropriate dress for factory work, and the war's influence on clothing styles. The museum also inaugurated its Viewpoints program, a series of informal talks by museum staff on subjects ranging from sea stories to caring for family heirlooms.

The Smithsonian Jazz Masterworks Orchestra (SJMO) presented four weekends of performances from April through August at the National and Lincoln theaters. Musical directors Gunther Schuller and David N. Baker led the orchestra and the audiences through the music of Mary Lou Williams, Chick Webb, Duke Ellington, Dizzy Gillespie, Lionel Hampton, Woody Herman, Miles Davis, Jimmie Lunceford, Tommy Dorsey and other composers and orchestras. Like the SJMO, the Smithsonian Chamber Music Society is directed from the museum's Division of Cultural History. From the Smithsonian Chamber Orchestra to the Castle Trio, the society's ensembles offered works of François Couperin, Marin Marais, Henry Purcell, Mozart, Haydn, Brahms, Schubert, and other composers well known and lesser known. As every year, many of the selections were performed on original instruments from the museum's collections, including the 1854 "Queen Victoria" piano and the 1701 "Servais" Stradivarius cello. The concerts often featured guest performers, and this

year several of the evenings began with brief lectures by noted scholars on conservation, recordings of early music, composers, and other subjects. In August, the Smithsonian Chamber Players released a new CD, *Metamorphosis*, that features Sir Edward Elgar's *Serenade*, Samuel Barber's *Adagio for Strings*, and Richard Strauss's *Metamorphosen*.

In December, the museum's annual Holiday Celebration delighted thousands of visitors with music, storytelling, and demonstrations of holiday foods and crafts that reflect the many ways Americans celebrate Christmas, Hanukkah, Kwanzaa, and the New Year.

"With Pen and Graver: Women Graphic Artists Before 1900," which opened in February, was one of the many well-received exhibitions at the museum this year. The exhibition included more than 80 examples of commercial and fine arts work by some of the leading women artists in the 19th century. The featured works included examples by such artists as Fanny Palmer, lithographer for Currier & Ives; Maud Humphrey, an illustrator and the mother of Humphrey Bogart; and Emily Sartain, a Philadelphia art teacher. Lithographs, greeting cards, illustrated books, copper plates, and wood blocks were among the objects on display.

To commemorate the 50th anniversary of the end of World War II, NMAH presented several temporary exhibitions. "The Virgil Whyte 'All-Girl' Band," an exhibition of photographs, documents, and artifacts produced by the museum's Archives Center, showed how a touring U.S.O. band during World War II promoted the ideal of equality in job opportunity for women within the field of music. The band's director, Virgil Whyte, demanded that his female musicians receive union pay equal to that of male musicians of comparable skills—all within the context of the traditional "home front" partnership which women were expected to contribute to the war effort. "Women War Workers" highlighted the contributions of women during World War II through a display of photographs, cartoons, wartime advertisements, sheet music, and a rivet hammer, welding mask, coveralls, and other tools and equipment used by women during the war. "Produce for Victory: Posters on the American Home Front, 1941-1945" examined the images and underlying messages of the posters used to help mobilize Americans during the war. "World War II: Sharing Memories" offered a look back at the World War II era through paintings of wartime scenes commissioned by the U.S. armed forces during the war and everyday objects used by men and women at war and on the home front. Visitors were encouraged to record their memories of the war in notebooks, and hundreds of people wrote first-hand accounts or reminiscences of that era handed down among family members. Many of the notes were posted on a bulletin board inside the exhibition for other visitors to read.

Documentary photography shows at the museum explored subjects such as industrial life and work in "Images of Steel" to the plight of migrant workers in "Earth Angels: Migrant Children in America," to "Images of Vietnam: March 1970-February 1971," an exhibition of 48 photographs taken by pho-

to journalist Stephen H. Warner, who was killed in action. "Going Strong! Older Americans on the Job," an exhibition of photographs by Harvey Wang, captured the images and stories of more than 35 Americans well past retirement age who still continued in their chosen professions—from a typesetter to a shepherd to a scrap metal dealer. The History in the News series presented one-case exhibitions such as "Asbestos: Promise, Problems, Panic, Prudence," "Earth Day 1970," and "Cinema's Centennial," commemorating the 100th anniversary of moving pictures.

In June, the museum also co-sponsored a special display of student-created exhibitions that featured the work of selected state winners of the National History Day competition. The competition is designed for students in grades six through twelve who present months of research in media productions, papers, performances, and table-top projects.

Acquisitions of note this year included the gown worn by Hillary Rodham Clinton's to inaugural balls in 1993. Now a part of the First Ladies Collection, the gown is on exhibit in the "Ceremonial Court," which displays many artifacts belonging to past presidents and first families and re-creates architectural details of the 1902 White House. The University of Maryland School of Nursing donated a Florence Nightingale Nursing Cap, affectionately known to the school's graduates as "Flossie," to the Medical Sciences Collection. The Flossie was patterned after a cap worn by Florence Nightingale. The museum also received a bacterial culture replicator from the laboratory of Joshua Lederman of the University of Wisconsin. Lederman's research won him a Nobel Prize in 1958. The Warner-Lambert Company donated the last glass Listerine bottle to be manufactured; the first plastic bottle of Listerine; and the bottle with the oldest, rarest label. The Archives Center accepted the papers of Robert G. Chamberlain, a mechanical engineer, business school graduate in finance, and one of the first numerical control programmers in the United States. Chamberlain's work centered on the use of computers in controlling machine tools and to problems of ensuring accuracy in metal cutting and forming operations under computer control.

Around, beside, beneath, and among all the programs and activities, the National Museum of American History continued to remake itself, both organizationally and physically. The museum's continuing Master Plan saw extensive repair and renovation to the fifth floor and basement this year. More significantly, 1994-95 marked the first full year of the museum's reorganization under Director Spencer Crew. The process has brought forth both a new organizational structure at the museum and new goals and strategic objectives—in areas including visitor orientation at the museum, electronic access, computerized collections, space planning, project management, and staff development—that will guide the museum in the years ahead.

## *National Postal Museum*

*James H. Bruns, Director*

As a new museum, during 1995 the staff concentrated on establishing operational priorities, developing departmental goals and objectives, formulating the museum's first long-range "Planning and Budget Document," and writing essential operational procedures and plans.

Among the operating plans prepared in 1995 were the museum's "Collecting Plan," "Collections Management Policy," "Public Affairs Policy," "Hazardous Materials Policy," and "Exhibitions Policy."

In cooperation with the Office of Membership and Development, the museum drafted its long-range "Endowment Plan." This plan, which will be part of the "Smithsonian Fund for the Future," calls for the creation of \$10 to \$15 million in endowments over the next ten years.

The museum dramatically expanded its educational outreach with the publication of "We Were There: Letters from the Battle Front," an activity book and resource guide for secondary school students; the "Postal Pack for Elementary Schools," a curriculum guide and activity book that integrates letter writing and postal history into language arts, history, geography and math classes; and "Pen Friend," an inter-generational letter writing project guide book.

During 1995 the museum's curatorial and collections management staff processed 95 accessions, acquisitions that consisted of over 10,900 objects.

Three exhibits opened in 1995, including "Best Wishes: Greetings from the White House" (November–February), "Are We There Yet? Vacationing in America" (May–indefinite), and "The Graceful Envelope" (July–August). The latter exhibit began as a national calligraphers' demonstration and workshop sponsored by the museum. Hundreds of hand-crafted envelopes were mailed to the museum. The "most graceful" of these were placed on temporary exhibit. Many of these will soon be the subject of a book.

During 1995 the museum's education department conducted 24 public programs, including lectures by prominent philatelists, historians, and scholars. Among the museum's offerings were "Marilyn Monroe: The Myth and the Message," a invitational lecture by theater and film critics Molly Haskell and Andrew Sarris conducted in conjunction with the issuance of the Marilyn Monroe stamp. Other presentations were provided by National Air and Space Museum curator Bob Van Der Linden, who lead a discuss of the role of the Post Office Department in the creation of America's commercial airlines and National Museum of American History curator William Withuhn, who presented a program about American emigrant trains. Another offering included historian and author Alvin Josephy, who presented "A Portrait of Chief Joseph," a discussion of the legacy of the leader of the Nez Perce tribe of the American northwest in the late 19th century. Donations of

cash, pledges and in-kind support amounted to more than \$3.5 million in 1995.

## *National Museum of the American Indian*

*W. Richard West Jr., Director*

The National Museum of the American Indian is an institution of living culture dedicated to the preservation, study, and exhibition of the life, languages, literature, history, and arts of the Native peoples of the Western Hemisphere. The museum's mission is to recognize and affirm to Native communities and the non-Native public the historical and contemporary culture and cultural achievements of the Natives of the Western Hemisphere by advancing—in consultation, collaboration, and cooperation with Natives—knowledge and understanding of Native cultures. The museum has a special responsibility, through innovative public programming, research, and collections, to protect, support, and enhance the development, maintenance, and perpetuation of Native cultures and communities.

When Southern Cheyenne Camp Crier Moses Starr, Jr., announced the opening of the National Museum of the American Indian in New York City on Oct. 30, it marked the beginning of a year in which the museum's mission became a reality with the indigenous voice and world view resonating throughout the exhibitions at the Heye Center. As the museum approached its anniversary in late September, more than 375,000 museum visitors had experienced the exhibitions and heard the accompanying Native American voices, more than nine times the number who visited the museum in one year at its old location at Audubon Terrace at 155th and Broadway. The inaugural exhibitions of the National Museum of the American Indian were second in museum attendance during the exhibition season in New York City only to the Metropolitan Museum of Art, where the exhibition "Origins of Impressionism" drew 794,108 visitors.

"Creation's Journey: Masterworks of Native American Identity and Belief" features 165 objects selected for their beauty, rarity and historical significance, and representation of diverse cultures. Displaying objects from tribal groups in North, Central, and South America, with dates ranging from 3200 B.C. to the 20th century, the exhibition's multivoiced perspective includes anthropologists, curators, historians, scholars, and Native peoples.

"All Roads Are Good: Native Voices on Life and Culture" features more than 300 objects chosen by 23 Native American selectors, who selected items from the museum's collection that were of artistic, cultural, and personal significance. Selectors' responses to the process and the objects are shared with museum visitors on audio and videotape, as well as labels that accompany the objects. "All Roads Are Good" exem-

plifies the museum's mandate for interpretation by indigenous peoples with first-person insights and sensitivities to a world view that places the objects along a continuum of living culture.

"This Path We Travel: Celebrations of Contemporary Native American Creativity" is a collaborative exhibition featuring the collective and individual talents of 15 contemporary Native American artists. The exhibition combines installation with sculpture, performance, poetry, music, and video to present the artists' views and concepts of creation, the importance of sacred places, and how the Indian universe has been affected by conflicts with Euroamerican beliefs and cultures. The exhibition represents how ancient indigenous ideas, as expressed in the archaeological and historic objects in the other exhibitions, still contribute to contemporary Indian world views.

In conjunction with the opening in October, the museum announced the five recipients of the first annual Art and Cultural Achievement Awards of the National Museum of the American Indian. They are Allan Houser (Chiricahua Apache), posthumously; Oren R. Lyons (Onondaga); N. Jana Harcharek (Inupiat); Geronima Cruz Montoya (San Juan Pueblo); and Katharine Siva Saubel (Cahuilla).

On Nov. 19 and 20, in celebration of the Heye Center opening, the National Museum of the American Indian Powwow was held at the Jacob K. Javits Center in New York City. Activities included gourd dancing, intertribal dancing, Caddo stomp dances, Yupik dances, and Iroquois, Ponca and Osage social dances, a lacrosse workshop, a Northern Arapaho tipi construction demonstration, a Hocak (Winnebago) language project, arts and crafts sales, Ponca and Osage handgames, and Indian and Eskimo Olympics.

In October, the museum staff began packing and moving more than 45,000 objects from the old location of the museum at Audubon Terrace in New York City to the Research Branch in the Bronx, N.Y. Eventually, most of the one-million-object collection will be moved to the Cultural Resources Center, which will be built in Suitland, Md.

The design of the museum's Cultural Resources Center in Suitland, Md., was completed in March by the award-winning architectural firm of Polshek and Partners of New York City, working with Mercalf Tobey Davis of Reston, Va., in association with the Native American Design Collaborative. The Cultural Resources Center is scheduled to open in 1997.

The museum displayed 24 19th-century Navajo wearing blankets from its collections at the Ned A. Hatathli Museum of the Navajo Community College in Tsaile, Ariz., on June 27 through June 30. The display concluded with a workshop for Navajo weavers, whose input will be incorporated into the final design and script for the exhibition "Woven by the Grandmothers: 19th Century Navajo Textiles from the National Museum of the American Indian" planned for the fall of 1996 at the Heye Center in New York City.

On Oct. 24, the Mashantucket Pequot Tribal Nation of Connecticut made a \$10 million contribution to the National



Museum of the American Indian National Campaign. At the time, it was the largest cash contribution to the Smithsonian in its 148-year history.

In October, the museum released a number of publications and products in conjunction with the opening of the Heye Center. Products included books on each of the three exhibitions, a music recording on compact disc and cassette tape, a calendar, a postcard book, and T-shirts.

The museum began the Native American Expressive Culture Series—on-going public programming that includes storytelling, theater, music, dance, film and video. In the multimedia Resource Center, ten computer stations provide access to resource information about the objects in the exhibitions and the indigenous world view.

During the year, Douglas J. Cardinal Architects, Ltd., in collaboration with Geddes, Brecher, Qualls and Cunningham Architects, and in conjunction with the museum staff and Native American consultants, developed a conceptual design for the National Museum of the American Indian, which will be constructed on the National Mall after the turn of the century.

## National Portrait Gallery

*Alan Fern, Director*

The National Portrait Gallery is dedicated to the exhibition and study of portraits of people who have made significant contributions to American history and culture and to the study of the artists who created such portraiture. The Gallery sponsors a variety of scholarly and public activities for audiences interested in American art and American history.

### Collections Acquisitions

Acquisitions in the Painting and Sculpture Department include two presidential portraits: Ronald Sherr's portrait of George Herbert Walker Bush and Jan Woods's bust of William Jefferson Clinton. Among the other portraits acquired were Smithsonian Secretary-emeritus Robert McCormick Adams by Burton Silverman, collector and art dealer Edith Gregor Halpert by Marguerite T. Zorach, General Winfield Scott by Robert Walter Weir, and poet Gwendolyn Brooks by Sara S. Miller. The Photographs Department received a gift of ninety-nine photographs from the estate of George James, Washington photographer for the *New York Times* from the 1940s through the early 1980s. Other important photographs include Martin Luther King, Jr. by Dan Weiner, labor leader Andrew Furuseth by Dorothea Lange, American poets Sylvia Plath and Anne Sexton by Rollie McKenna, a group portrait of William Tecumseh Sherman and his generals by Mathew Brady, and a rare *carte de visite* of the sculptor Edmonia Lewis. Among the Print Department acquisitions are a mezzotint of

Benjamin Franklin by Charles Willson Peale and a drypoint of Henry Marquand by Anders Zorn.

### Research

The National Portrait Gallery launched its virtual museum as part of the Smithsonian's Home Page on the Internet's World Wide Web and as part of the Smithsonian Online educational service on America Online. Previews of exhibitions, current events, highlights of the permanent collection, Gallery brochures, educational programs, and publications are available on both services. Featured by America Online for the Fourth of July holiday, the online image of Rembrandt Peale's famous "Porthole" portrait of George Washington was downloaded by the public nearly 1,400 times. Interested visitors on the America Online service may comment, ask questions, converse on message boards, and take part in online chat sessions.

The Catalog of American Portraits continued its field survey of portraits in public and private collections, cataloging portraits in Montana, Wyoming, and Colorado, the Norman Rockwell Museum in Massachusetts, and portraits of Americans in the National Portrait Gallery, London. Portraits in the state of Alaska were surveyed with the assistance of a grant from the Smithsonian Women's Committee. The Smithsonian Office of Fellowships and Grants supported two internship projects that added important Native American and Latino biographies to the CAP's multimedia research database.

The Peale Family Papers project submitted volume four of *Selected Papers of Charles Willson Peale and His Family*, subtitled *Charles Willson Peale: His Last Years, 1821–1827*, to Yale University Press for publication. The staff is continuing research for volume 5, *The Autobiography of Charles Willson Peale*, and for *The Catalogue Raisonné of the Works of Rembrandt Peale*.

The Electronic Research Center became a reality in the NMAA/NPG Library at the end of December. Supported by both the National Portrait Gallery and the National Museum of American Art, the Center collects reference sources available in CD-ROM and online formats, as well as maintaining Internet and America Online functions. The Center has bibliographic, image-based, and online resources accessible to Library patrons. Some of the titles available are: *Art Index* (1984–1995); *ARTbibliographies Modern on Disc* (1984–1994); *Artfact* (auction price information for both the fine and decorative arts, 1986–1995); *Select Phone* (1995); *National Portrait Gallery, Smithsonian Institution: Permanent Collection of Notable Americans*; and *Artnet* (an online resource to auction records from 1990 to the present).

### Exhibitions

In commemoration of the 100th anniversary of the death of Frederick Douglass, the National Portrait Gallery and the National Park Service co-organized an exhibition on his life and legacy. Featuring paintings, photographs, and memorabilia, "Majestic in His Wrath" opened February 9, 1995, with a re-



ception during which actor Billy Dee Williams read one of Douglass's most famous speeches.

"In Pursuit of the Butterfly: Portraits of James McNeill Whistler" was the first of four exhibitions held in Washington during the summer of 1995 that were devoted to this American expatriate painter. Whistler was the single most depicted artist prior to the twentieth century, and NPG's exhibition demonstrated the evolution of his image and his carefully self-constructed role as a popular icon in Victorian England.

Several 1995 exhibitions highlighted aspects of the Gallery's permanent collection. "Federal Profiles: Saint-Mémin in America, 1793-1814" amplified the museum's large holding of Saint-Mémin engravings by featuring many of the original drawings from which the engravings were made. "From Truman to Clinton: Presidents on *Time*" was the most recent in a series of exhibitions drawn from the Gallery's collection of original *Time* magazine cover art. "The Passionate Observer: Photographs by Carl Van Vechten," which was organized by Hallmark Cards, presented a comprehensive overview of an artist whose works are widely represented in the Gallery's collection.

## Publications

*Saint-Mémin and the Neoclassical Profile Portrait in America* by Ellen G. Miles, NPG's Curator of Paintings and Sculpture, was published in November 1994 by the National Portrait Gallery and Smithsonian Institution Press. The culmination of twenty years of research on the French émigré artist who made nearly a thousand likenesses of Federal-era Americans, this book includes an essay on the history of the neoclassical profile portrait with a biography of Saint-Mémin and a complete, illustrated catalogue of the artist's known works. It has been awarded second prize in the book category in the American Association of Museums' 1995 Design Competition and first prize for illustrated books in the Washington Book Publishers' design competition.

Produced to accompany the National Portrait Gallery's exhibition, *Majestic in His Wrath: A Pictorial Life of Frederick Douglass*, by NPG historian Frederick S. Voss, was published by the Smithsonian Institution Press. This softcover book's more than seventy illustrations include rare daguerreotypes of Douglass and images of fellow abolitionists and reformers.

*In Pursuit of the Butterfly: Portraits of James McNeill Whistler*, co-published by the National Portrait Gallery and the University of Washington Press, was written by Eric Denker, curator of the NPG exhibition of portraits of Whistler. Available in softcover, this illustrated book illuminates how this unconventional American expatriate was perceived by the artists and writers of his time.

Work has commenced on a new edition of the *National Portrait Gallery Permanent Collection Illustrated Checklist*. Data is being gathered on NPG acquisitions over the past ten years, since the previous edition was published. A James Smithson Society grant will allow the purchase of state-of-the-art desktop-publishing equipment for NPG's Publications Of-

fice. This will make it possible to produce this valuable reference tool—including some 7,000 illustrated entries—in-house through the prepress stage in the coming fiscal year.

## Education

NPG offered a dramatization that provided both historical background and context to enhance students' knowledge gained during their tour of the Frederick Douglass exhibition. Collaborations with publishers also made possible public lectures and book signings for biographies and portrait-related books.

"Blues Woman," an interpretation of the music and life stories of Bessie Smith, Ethel Waters, and Billie Holiday, was presented through the Gallery's "Portraits in Motion" series.

## Special Projects

On the morning of July 21, 1995, the National Portrait Gallery's Hall of Presidents doubled as a television studio when C-SPAN's "Washington Journal" broadcast a live program on the museum and its collections. Host Brian Lamb interviewed NPG director Alan Fern as camera crews rolled through the Gallery's second floor, providing viewers with glimpses of the permanent collection on display. Pre-taped segments included presentations by curator of photographs Mary Panzer, historian Fred Voss, curator for the Frederick Douglass exhibition, and a cameo appearance by curator of prints and drawings Wendy Wick Reaves. The three-hour broadcast also included a live interview with museum shop manager Jackie Jackson on the shop's offerings.

## Office of Exhibits Central

### Mike Headley, Acting Director

The Office of Exhibits Central (OEC) provides Smithsonian museums, galleries, and exhibitors with expertise in the creation of permanent, temporary, and traveling exhibitions, from concept to crating. Office of Exhibit Central services include exhibition design and production, script development, consultation on design and production, writing, editing, graphic production, matting, and framing. Along with a wide range of exhibit fabrication services, OEC provides model making, gallery lighting, exhibit installation, and the handling, bracketing, and packing of artifacts.

This year, OEC designed, edited, and produced five exhibitions for the Smithsonian Institution Traveling Exhibition Service (SITES): "Try This On: A History of Clothing, Gender, and Power"; "Full Deck Art Quilts"; "Voyages and Visions: Nineteenth-Century European Images of the Middle East from the Victoria and Albert Museum"; "VanDerZee, Photographer"; and "An Ocean Apart: Contemporary

Vietnamese Art from the United States and Vietnam." OEC also provided design and production consultation on four more SITES shows: "Earth 2U, Exploring Geography," "Exotic Illusions: Art, Romance, and the Marketplace," "Beyond Category: The Musical Genius of Duke Ellington" (small exhibit format), and "Wade in the Water: African American Sacred Song and Worship Traditions." OEC editors developed the text for the last three exhibits.

OEC's Model Making Unit created an exact wooden replica of a 19th-century ship figurehead, hundreds of artificial fish, several mannequins, and three bronze creatures for "Ocean Planet," an exhibition developed by the National Museum of Natural History, the Environmental Awareness Program, and SITES.

In preparation for the Smithsonian's 150th Celebration, OEC has contributed significantly to many of the anniversary events—and will continue to do so. OEC designed the banners and signage on the Mall and for each museum. OEC designed, produced, and installed the plaque for the Unsung Heroes awards, and the exhibit cases for "Smithson's Gift," an exhibition dedicated to James Smithson's bequest to the Smithsonian. "Revealing Exhibitions: Photography at the Smithsonian," "From Smithson to Smithsonian: The Birth of an Institution," and many other exhibitions and events associated with the 150th Celebration are still in the planning stages at OEC.

OEC played a important role in many other exhibitions. For Horticulture Services Division, OPP, OEC provided design, editing, fabrication, model making, lighting, installation, and project coordination for the "Posy Holders" exhibition in the Arts and Industries Building. OEC produced graphics for the 29th Annual Festival of American Folklife. For "Science and the Artist's Book," a collaborative project involving the Smithsonian Institution Libraries and the Washington Project for the Arts, OEC was responsible for design, editing, fabrication, model making, and installation. At the National Museum of Natural History, OEC provided model making for "Exploring Marine Ecosystems," while at the Smithsonian Tropical Research Institute, OEC supplied exhibition consultation for the "Coral Reef" exhibition and illustration for "Where Land Meets the Sea." In addition, OEC collaborated with the Office of the Provost and the National Museum of African Art in the design, production, and installation of an exhibit at the Baltimore Washington International Airport. For the Office of Government Relations, OEC designed, fabricated, and installed two exhibit components, one for the Office of the Speaker in the U.S. Capitol and another for the Rayburn House Office Building. Further, OEC provided exhibition consultation and installation for "The Harriet and Harmon Kelley Collection of African American Art" and the "Equal Rights and Justice" exhibitions for the Anacostia Museum at the Center for African American History and Culture. OEC also furnished project consultation and material management for the Ghana Project for the International Center.

In 1995 OEC Senior Designer Mary Bird won two Federal Design Achievement Awards for her design of "Spiders!" and "Produce for Victory: Posters on the American Home Front, 1941–1945." OEC also received honors from the Washington Building Congress for construction of a railway mail car at the National Postal Museum and a Smithsonian Exhibition Awards for Outstanding Team Effort on the Postal Museum's inaugural exhibits.

There are many others projects that SI clients have taken advantage of OEC's prompt, professional, and cost-effective services. The Office of Exhibits Central is dedicated to the continued success of the Smithsonian Institution.

## *Smithsonian Institution Traveling Exhibition Service, SITES*

*Anna R. Cohn, Director*

Since 1952, the Smithsonian Institution Traveling Exhibition Service (SITES) has been committed to making Smithsonian exhibitions available to millions of people who cannot view them firsthand on the National Mall in Washington, D.C. Each year, audiences across North America experience the treasures and opportunities of the Smithsonian by visiting SITES exhibitions on view in local museums, libraries, science centers, historical societies, zoos, aquariums, community centers, and schools.

SITES' FY 1995 program mirrored the scope and vitality of the Smithsonian as never before. Traveling exhibitions featuring spiders, ocean conservation, Mexican landscape painting, jazz, and art quilts are but a small sampling of the diverse subjects through which SITES represents collections and research from the Institution's many museums and offices, and from many of the nation's finest cultural organizations.

Over the past year, collaborations—with sister museums at the Smithsonian and other museums and cultural organizations outside the Smithsonian, foreign countries, corporations, or at the grass-roots level—continue to drive the SITES program. Several new SITES exhibitions began traveling this year in small format, free-standing copiese: "Beyond Category: The Musical Genius of Duke Ellington," "Saynday was coming along...Silverhorn's Drawings of the Kiowa Trickster," "Before Freedom: African American Life in the Antebellum South," and "Produce for Victory: Posters on the American Home Front, 1941–1945." These exhibitions, designed specifically for smaller institutions and rural exhibitors, are especially important additions to SITES' program and ensure more than ever that the wealth of the Smithsonian Institution will be experienced by audiences everywhere: from people in the nation's largest urban centers to those in the most remote rural areas.

SITES' partnership with states humanities councils continued to gain momentum in FY 1995. Ongoing collaborations

with the Federation of States Humanities Councils and a second NEH grant will result in another tour of the highly successful NMAH/SITES small format version of "Produce for Victory: Posters on the American Home Front, 1941-1945" to Arizona, California, Indiana and Nebraska. Designed specifically to reach rural areas, nine states are now part of this unique initiative which was begun in FY 1994.

A National Portrait Gallery exhibition, "Lincoln and His Contemporaries: Photographs by Mathew Brady from the Meserve Collection" is also traveling to five communities in Utah as part of a block-booking arrangement reached with that state's Humanities Council. Rural exhibitors are complementing their displays with local objects and programming.

The Smithsonian's major Quincentennial exhibition, "Seeds of Change," is also traveling in a small format version and opened in July in a brand-new specially designed facility at Central Florida Community College in Ocala, Fla. Staff at the college and SITES have been in discussion since January about an on-site facility that would be suitable for SITES exhibitions, and raised the necessary funds and built a new exhibition space in less than one year. The college is now slated to host six SITES exhibitions over the next two years.

In addition to ongoing partnerships that SITES has forged with private foundations such as the Lila Wallace-Reader's Digest Fund and corporations such as Time Warner, Inc., SITES is proud to announce a new partnership this year with Nissan Motor Corporation U.S.A., for the SITES/National Geographic Society exhibition, "Earth 2U, Exploring Geography." At a special signing ceremony on October tenth hosted by National Geographic Society President Gilbert M. Grosvenor, Nissan's Vice President of Brand and Consumer Marketing Jerry Florence presented a check for \$950,000 to Secretary Heyman to become the national corporate sponsor of the exhibition. Olympic gold medal speedskater Dan Jansen will serve as the national exhibition "Ambassador" of "Earth 2U, Exploring Geography," which will open in November 1995 in Washington, D.C.

SITES has spent the past year gearing up for the opening of this ambitious exhibition, and since May has received an additional \$936,000 from Nissan for extensive national educational programming and public relations efforts in conjunction with "Earth 2U, Exploring Geography." In July, a "Name the Mascot" contest commenced in the Smithsonian Castle for children ages 8-12, the exhibition's primary audience. The "Mascot" is a lively-looking cartoon bird who is depicted throughout the exhibition. The grand-prize winner of the contest, who will be announced at the exhibition's press preview, will receive an all-expenses paid trip to the 1996 Summer Olympic events in Atlanta. "Earth 2U, Exploring Geography" is geared toward children and their families and is expected to make a significant contribution to curbing geographic illiteracy in the United States as it travels to 40 cities around the country in two versions.

Several SITES exhibitions began national tours in FY 1995, reflecting the diversity of the SITES program. "Full Deck Art

Quilts" opened at the Renwick Gallery in March. It is traveling to 11 additional locations, including regional art centers, university galleries and art museums in San Jose, Calif.; Tempe, Ariz.; Ocala, Fla.; Reno, Nev.; and Mobile, Ala. The small format version of the NMNH/SITES exhibition, "Saynday was coming along . . . Silverhorn's Drawings of the Kiowa Trickster," opened at the Kiowa Tribal Museum in Carnegie, Okla., in January. The national tour of "Spiders!," organized with the National Museum of Natural History and funded by Marvel Entertainment, began in March at the American Museum of Natural History in New York. In May, "VanDerZee, Photographer (1886-1983)"—a National Portrait Gallery/SITES exhibition—began its national tour at the African American Museum of Fine Arts in San Diego, Calif. The opening of this exhibition garnered front-page news in the *San Diego Union Tribune* and significantly increased attendance at the museum. As a testament to how well-received this exhibition has been in San Diego, the museum is now preparing to accession an important, personal collection from a father and son who sponsored an African American Studies program at a local university and who have lived in the area since the 1920s.

In September, "An Ocean Apart: Contemporary Vietnamese Art from the United States and Vietnam" opened at the Elipse Arts Center in Arlington, Va. All of these exhibition openings were accompanied events and public programs that attracted enthusiastic media and public responses.

Special initiatives and events in FY 1995 included the forging of a new relationship between the Smithsonian and the Mexican Embassy during the fall showing of "Mexico: A Landscape Revisited." Secretary Heyman and Mexican Ambassador Jorge Montaño began a series of dialogues aimed at future cultural collaborations between Mexico and the Smithsonian. The exhibition is currently traveling to several cities around the country and will end its international tour next year in Monterrey, Mexico.

In June, SITES donated the popular NMAH/SITES exhibition, "Contrasts/Contrastes: Forty Years of Continuity and Change in Puerto Rico," a collection of photographs by WPA photographer Jack Delano that toured several years ago, to the Poncé Museum in Poncé, Puerto Rico. The event was celebrated with public programs which featured a conference given by Delano and a concert string performance of one of Delano's original musical compositions.

In September, SITES took the lead during National Arts and Humanities Month. A special mailing was orchestrated by SITES and the Office of the Secretary which alerted members of Congress to SITES' activities in their states and districts.

SITES entered cyberspace in FY 1995. A listing of SITES exhibitions currently traveling around the country is now available by accessing the Smithsonian's Home Page which was launched on May 8.

SITES exhibitions are oftentimes accompanied by handsome and informative publications. On the occasion of last year's opening of "Mexico: A Landscape Revisited," SITES

published a bi-lingual catalogue and a 1995 wall calendar with Universe Publishing Co. (a division of Rizzoli). The calendars were mailed as holiday gifts from Secretary Heyman to members of the Smithsonian's Latino Task Force and the Congressional Hispanic Caucus.

SITES is a high-visibility outreach arm of the Smithsonian. In FY 1995, 182 exhibitions traveled across the country. SITES hopes that its expanded visitor base in the coming year will enable more Americans than ever before to experience the rich variety of exhibition programs available from the Smithsonian.

## Educational and Cultural Programs

### *Center for Folklife Programs & Cultural Studies*

*Richard Kurin, Director*

The Center for Folklife Programs & Cultural Studies joins high quality scholarship with strong community service and educational outreach to promote the understanding and continuity of diverse contemporary grassroots cultures in the United States and throughout the world. A primary goal is to foster greater appreciation and participation of community culture in civil society. This became very apparent in the planning and production of the annual Festival of American Folklife.

The more than one million visitors to the 29th annual Festival of American Folklife, which took place June 23–July 4, were witness to the strength in community in the four programs that were presented. “The Cape Verdean Connection” built upon and articulated the contemporary transnational character of that culture. It not only occasioned a visit by the President of Cape Verde, Antonio Mascarenhas Monteiro, but also prompted thousands of Cape Verdean Americans to organize tours, reunions, and celebrations around the Festival. Co-sponsored by the government of Cape Verde, a host of Cape Verdean-American community fundraising committees, the Gulbenkian Foundation of Portugal, the Smithsonian, and many other benefactors, the program featured performances and demonstrations of crafts, cooking, music, dance, and occupational traditions. Discussions included many topics in which participants reflected upon the culture and historical experience of this transnational people. A significant part of the program was a large “*Cachupa* Connection” tent—named for the hominy stew that is the (trans)national dish of Cape Verdeans everywhere. The tent contained information about a dozen Cape Verdean-American communities, presentations on

seafarers and longshoremen, and a connection to the unofficial Cape Verdean home page on the Internet. From social commentary in ox-driving songs to conversations across the Internet, the program presented varieties of exchange that Cape Verdeans engage in to maintain their local and transnational communities. Chartered busloads of Cape Verdean Americans came from New England, where the Festival generated strong media coverage. Bana, the most popular male vocalist in the Islands for decades who lives and owns a nightclub in Lisbon, performed at the July 5 Independence Day celebration on the Mall as part of the program to mark the 20th anniversary of Cape Verde's independence from Portugal. Anna Maria Cabral, wife of the slain independence leader Amílcar Cabral, lectured on culture and national development at the International Center during the Festival. And a photography exhibit on Cape Verdean life by Ron Barboza was mounted in the International Center.

“The Czech Republic: Tradition and Transformation” successfully reflected the range of music, crafts, and foodways that characterize grassroots, popular, and official genres today. The participants from the three major regions of the Czech Republic—Bohemia, Moravia, and Silesia—brought not only their cultural traditions but the fresh impacts of independence and changed borders on these traditions. Czech-American musicians and cooks demonstrated survivals and transformations in foodways and soundscapes across the ocean. This extended community on the National Mall was broadened even more as Czech Americans drove the belfry—an example of a substitute church that serves small communities in mountainous Wallachia—to Texas after the Festival, where it is traveling among families of Wallachian descent. Czech officials also observed the Festival, and a Czech television documentary reached millions of viewers in that country.

“Heartbeat: Voices of First Nations Women” was produced in collaboration with the Division of Cultural History at the National Museum of American History, as was a recently released Smithsonian/Folkways recording of the same name. The program brought women from 20 different groups from the United States and Canada to the 1995 Festival, and visitors had the opportunity to see the important contributions that contemporary Native women are making to the preservation and perpetuation of their culture, especially in the area of language. The sense of community among participants was reinforced during spontaneous demonstrations of intertribal song sharing that culminated in a memorable finale on July 4, with all the singers uniting in song on the main stage. Sales of the recording and critical reviews were very strong.

Identities and community were key issues in the program, “Russian Roots, American Branches: Music in Two Worlds.” After several years of fieldwork, this program presented participants from four communities—Molokans and Old Believers, two religious minority communities both still active in Russia and the United States—who joined together to discuss the changes that have affected their faith and, most importantly, to sing the choral music that provides the focus for their reli-

gious identity. The program provided great opportunities for exchanges, and it provided these communities with an opportunity to meet and share stories after more than a century of separation.

The sacred and social music, traditional poetry, dance, food, and crafts of Washington-area African-born immigrants were presented as part of the "African Immigrant Folklife Study Project." The Festival included two evening dance party/concerts and a photo panel exhibition entitled, "New Ties: Portraits of African Immigrant Community Folklife," featuring photographs by Roland Freeman, photographic advisor to the project. These activities grew out of a year of fieldwork by community scholars participating in the project and illuminated the vibrant range of newly emerging African cultures in the Washington area.

And on the evening of July 2nd, a special tribute concert in honor of former Festival director Ralph Rinzler was held at the Festival to commemorate the first anniversary of his passing. Paying tribute to Ralph were Pete and Mike Seeger, Piedmont blues musicians John Cephas and Phil Wiggins, and Black Appalachian singers Ed and Melissa Cabbell. The event was very well attended and performers and audience shared a deep appreciation for many of Ralph's accomplishments. For those wishing to support the Festival of American Folklife, a Friends of the Festival group was formed that is developing memberships and benefits; the organization is now approaching 600 members.

Cultural education at the Center saw six groups of teachers using the Festival of American Folklife as a living laboratory for developing resources, education materials move into testing and design phases, and new projects emerge from ongoing programs. The teachers seminars included "Bringing Folklore into the Classroom: A Multicultural Learning Experience," directed by Center staff members with teachers from the Washington, D.C., area; and "Teaching and Learning with Museums," directed by a member of the Smithsonian Office of Elementary and Secondary Education staff, with teachers and museum educators from ten cities in California. A seminar for music educators was sponsored by the University of Maryland; and another general seminar on folklore and folklife was sponsored by the Northern Virginia Campus of the University of Virginia. In addition, two groups of teachers came from New England to attend the "Cape Verdean Connection" program—educators from Massachusetts and Connecticut will be developing educational materials about Cape Verde and Cape Verdean Americans for their schools, and teachers from the Boston area will be working on multicultural educational materials.

The educational materials on "Land in Native American Cultures," "Borders and Identities," and "The Bahamas" will be available for the 1996 school year. The Bahamas kit will be distributed to all public schools in the Commonwealth and includes an extensive student/teacher guide on both the elementary and secondary levels, two videotapes, and two audiotapes. The kit was developed by Center staff in cooperation with a team of educators and advisors in The Bahamas.

New projects include "Voices of Virginia," a teacher's guide and a recording that follows the fourth grade social studies curriculum and is being developed by teachers at Bailey's Elementary School for the Arts and Sciences in Fairfax County; and the "Workers at the White House" materials which are being developed by a team of Washington, D.C., teachers in cooperation with Center staff and the Curator's office at the White House. The videotape, which is now available by itself, will be enhanced for classroom use by a teacher's guide, a 24-page educational booklet, and a full-color poster of a cross-section of the White House. These materials will be distributed free of charge to every public school in Washington, D.C., in the spring of 1996.

The "Workers at the White House" exhibit continues to travel and was at the Carter Presidential Library in Atlanta, Georgia, and the Reagan Library in Simi Valley, California during the year. The exhibit was also mounted at Shaded Elementary School in northeast Washington, D.C., where Hillary Clinton addressed students and teachers, and several of the workers were honored.

Smithsonian/Folkways Recordings continues its work with collaborations with international scholarship, museum exhibitions, and artists' creativity. International collaborations included the first two of a projected six volumes of music from different "departments" of Peru produced at the Archivo de Música Tradicional Andina in Lima, with the support of the Ford Foundation of Peru; the CD *Musical Traditions of Portugal*, which was partly supported by the City of Lisbon and was produced by the director of the only ethnomusicology program in Portugal; a recording of the Kayapó-Xikrin of Mato Grosso, Brazil, annotated by two Brazilian anthropologists; *Sacred Rhythms of Cuban Santería*, produced by the Director of the Centro de Investigación y Desarrollo de la Música Cubana in Havana; and three more volumes of the series, *Music of Indonesia*, produced with the Indonesian Society for the Performing Arts, with the support of the Ford Foundation, Indonesia.

Smithsonian/Folkways also collaborates with museums to make sounds part of the museum experience. Two recordings are the products of such collaborations: *Heartbeat: Voices of First Nations Women*, produced with the Smithsonian's National Museum of American History; and *Rhythms of Rapture: Sacred Musics of Haitian Vodou*, which complements the exhibition, "Sacred Arts of Haitian Vodou" that opened at UCLA's Fowler Museum of Cultural History.

Some new recordings develop out of ethnomusicological research. Those released this year include *Dream Songs and Healing Sounds in the Rainforests of Malaysia*, and *Old Believers: Songs of the Nekrasov Cossacks*. Other recordings come directly from the vaults of the Folkways collection, and from Smithsonian/Folkways artists themselves. Approximately 50,000 recordings were distributed through educational and archival fulfillment distributions.

Smithsonian/Folkways also produces video projects. The *JVC/Smithsonian Folkways Video Anthology of Music and Dance of the Americas* consists of six videotapes, featuring over 150 exam-

ples of music and dance from many traditions throughout the Americas. Each tape is accompanied by a 40-80-page booklet that includes general articles on style as well as descriptions of each track, most of which have recommendations for further viewing, listening, and reading.

Another Smithsonian/Folkways video project was initiated three years ago and documents music of the Great Lakes Indians. It consists of two videotapes dealing with Ojibwe powwows in Wisconsin which will be targeted to the Wisconsin public school system. The first of the two videos, "Naamikaager: Dancer for the People," has been completed and shows a young dancer dressing for two powwows in succeeding years. The second video will be a more generic treatment of powwows, including everything from singing and dancing to the preparation of fry bread.

Approximately 35 interns who came from colleges and universities from around the country, and several fellows from the United States, South America, and Africa, assisted with the research for and production of the many programs that were carried out by the Center for Folklife Programs and Cultural Studies.

## *National Science Resources Center*

*Douglas Lapp, Executive Director*

The National Science Resources Center (NSRC), a program of the Smithsonian Institution and the National Academy of Sciences, helps the nation's schools improve the teaching of science. The NSRC collects and publishes information about current science teaching resources, develops innovative curriculum materials, and sponsors activities to help teachers and administrators develop and sustain exemplary hands-on science programs.

In the past year, the NSRC continued to involve teachers and school system officials, scientists and engineers, community organizations, and corporations in science education reform through the National Science Education Leadership initiative (NSEL) and the Science and Technology for Children (STC) curriculum development project. The NSRC also expanded its international role in science education reform through ongoing contacts with education leaders in Mexico and South Africa.

This year's Elementary Science Leadership Institutes, a part of NSEL, brought together 38 teams of lead teachers, top administrators, and scientists, including teams from Mexico and South Africa, for training in the planning and implementation of science education programs. To date, 178 teams from 43 states, two Canadian provinces, Mexico, and South Africa have participated in the institutes. The NSRC also co-hosted a regional Science Education Leadership Institute with the New York City Urban Systemic Initiative. The weeklong pro-

gram, modeled after the NSRC's national institutes, brought together more than 70 representatives from New York City schools.

Seventeen of 24 STC hands-on science units for the elementary and early middle school grades are now available in commercial or field-test editions. This year, *Balancing and Weighing*, *Weather*, and *Floating and Sinking* were published. *Animal Studies*, *Solids and Liquids*, *Comparing and Measuring*, and *Land and Water* reached the field-test stage, and the development of the final three units in the STC program began. As part of the STC program, the NSRC also began work on sets of science activity cards for grades four to six. Each set will complement an STC unit.

The NSRC completed work on *Resources for Teaching Elementary School Science*, a completely revised and updated edition of its best-selling annotated guide to exemplary hands-on science curriculum materials. The NSRC also began reviewing exemplary curriculum materials for a resource guide for middle school science teachers.

The NSRC hosted Corporate America's Impact on Elementary Science Education, a one-day working conference held at the headquarters of Merck & Co., Inc., in Whitehouse Station, New Jersey. Sixty corporate executives and managers met to discuss how business and industry can work effectively with school district leaders to bring about and sustain science education reform.

## *Office of Elementary and Secondary Education*

*Ann Bay, Director*

The Office of Elementary and Secondary Education (OESE), the Smithsonian's central office for precollege education, has a threefold mission. First, it makes Smithsonian resources available to teachers and students in the Washington, D.C., area and nationwide. Second, it provides materials and training that enable teachers and students to use museums and the primary sources they contain for experiential learning in classroom and museum settings. Third, it fosters communication and collaboration among Smithsonian education units and between the Smithsonian and education organizations.

The office and *Smithsonian* magazine established an educator's membership in the Smithsonian. Member educators receive a year's subscription to the magazine, as well as subscriptions to OESE publications.

The District of Columbia Public Schools established two museum magnet schools and named the office as coordinator of the Smithsonian's involvement. OESE developed the concept and worked with the school system to craft the proposal to the U.S. Office of Education. The museum magnet schools will show how the vast material and human treasures of the

Smithsonian can be used to the best advantage in a public education setting.

Publications available in print and electronic versions informed teachers about museum-based learning. *Beyond the Frame: Using Art as a Basis for Interdisciplinary Learning* showed how to use works from five Smithsonian art museums in the classroom. *Art to Zoo*, the office's quarterly teaching guide for elementary and middle schools, adopted a new design, editorial, and distribution strategy. The *Smithsonian Resource Guide for Teachers* listed more than 500 publications available from the Smithsonian and its affiliates.

A program with the National Faculty for the Humanities, Arts, and Sciences has extended the office's work in developing models for museum-school collaboration. Working with schools and museums in Atlanta, St. Paul, Seattle, and Washington, D.C., the program helps teachers explore ways to use material culture across the curriculum and from a multicultural perspective.

## The Under Secretary

### *Office of the Under Secretary*

*Constance Berry Newman, Under Secretary*

As the chief operating officer of the Smithsonian, the under secretary is responsible for the day-to-day administration of the Institution. Under Secretary Constance Berry Newman also works with Secretary I. Michael Heyman, the provost, and the Board of Regents to set long-range priorities and develop mechanisms for carrying them out.

The Smithsonian continued the process of downsizing and restructuring to meet stringent budget requirements and prepare for the challenges of the next decade. Future growth and strength will require wise choices through a careful assessment of priorities. Central to this year's effort was the establishment of a strategic planning committee to examine potential restructuring of the Institution.

## Finance and Administration

### *Finance and Administration*

*Nancy Suttentfield, Assistant Secretary*

Operating behind the scenes at the Smithsonian, a network of administrative offices serves the diverse programmatic needs of the Institution and facilitates the management and use of fi-

nancial, human, and physical resources. Funding for financial and administrative services in 1995 amounted to nearly \$22 million, or approximately 6.3 percent of the Institution's total operating expenses. Central services for physical plant, security, and environmental safety account for an additional \$58 million on behalf of the entire Institution.

### *Office of Architectural History and Historic Preservation*

*Cynthia Field, Director*

Research conducted this year reflects the breadth of the Smithsonian's architectural history. The office's study of the development of the National Air and Space Museum brought into focus the complex early history of the project from 1959 to 1972. A study of the Hirshhorn Museum and Sculpture Garden revealed the impassioned interpretations of the nature of the National Mall that were aired when this project was planned. Two important chapters in the history of the first National Museum (now the Arts and Industries Building) were written as the result of research on the changing interior exhibition spaces and the meaning of the original building design.

### *Office of the Comptroller*

*M. Leslie Casson, Comptroller*

The office continued design of a new general ledger for the Institution, which will provide significantly improved financial information. The office also streamlined the transmittal of vendor payment data to the Department of the Treasury and participated in the planning, development, and implementation of new institutional policies and procedures to comply with new financial accounting standards promulgated by the Financial Accounting Standards Board.

### *Office of Contracting and Property Management*

*John W. Cobert, Director*

This office provides central contracting and procurement services for Smithsonian museums, research institutes, and offices. During fiscal year 1995, the office supported planning

efforts for the Smithsonian's 150th anniversary celebration. Ongoing work included contracting in the areas of design and renovation, Smithsonian business activities, acquisition of museum collections, concession services, and office supplies and services.

## *Office of Design and Construction*

*William Thomas, Acting Director*

Construction began on the \$20 million renovation, restoration, and accessibility project at Cooper-Hewitt, National Design Museum. Other current projects include the East Court expansion at the National Museum of Natural History; design and procurement for construction of the National Museum of the American Indian's Cultural Resources Center and design of the museum's building on the National Mall; and construction of two buildings at the Smithsonian Environmental Research Center.

## *Office of Equal Employment and Minority Affairs*

*Era L. Marshall, Director*

This office monitors the effectiveness of the Smithsonian's recruitment efforts for minorities, women, and people with disabilities. As part of the Institution's commitment to increase procurement opportunities for small, minority, and women-owned businesses, the office developed policies and procedures for implementing the Small Disadvantaged Business Utilization Program. For employees, the office made changes in the formal complaints program with a view toward resolving complaints before they are formally made.

## *Office of Environmental Management and Safety*

*William Billingsley, Director*

The office continued its responsibility for ensuring that safety, fire protection and prevention, industrial hygiene, and environmental principles are integrated into all aspects of the Smithsonian.

## *Office of Facilities Services*

*Richard H. Rice Jr., Acting Director*

This office, along with other organizations in the Facilities Services Group, focused on collaborative efforts to improve service to the Institution. Among these activities were long-range strategic facilities planning and expansion of an organizational development project on the treatment of people, with an emphasis on empowerment and leadership.

## *Office of Human Resources*

*Susan Roehmer, Director*

In an ongoing effort to improve human resources programs and functions, the office identified ways to expedite the hiring process and give management greater personnel authority and flexibility. The office also continued to streamline the personnel function through state-of-the-art technology.

## *Office of Plant Services*

*Patrick Miller, Director*

This office oversees the maintenance and operation of Smithsonian buildings and grounds and provides transportation, mail, audiovisual, and related services. This year, the office concentrated on improving customer service. A new customer service branch provides a central source for obtaining information and services.

## *Office of Printing and Photographic Services*

*James Wallace, Director*

The office continued its transition into increased digital delivery of photographic images. Each month, an average of 45,000 image files were delivered worldwide on the Internet (<http://photo1.si.edu>). Coinciding with the launch of the Smithsonian's World Wide Web site, the office brought its own Web server online (<http://phoro2.si.edu>).



By year's end, this server was delivering thousands of files daily from the office's collections. The office continued to provide digital image files to the consumer public through America Online, CompuServe, GEnie, and other online services.

## *Office of Protection Services*

*Michael J. Sofield, Acting Director*

The office continued to emphasize training for security officers as it seeks to protect Smithsonian facilities and collections. Nearly all officers have completed the first round of basic training, which has been reinforced with refresher and leadership courses. The office designed a program to respond to the increasing threat of violence in the workplace; provided a state-of-the-art security system for the George Gustav Heye Center of the National Museum of the American Indian; and designed a security system for the Hope Diamond display, for the new Hall of Geology, Gems and Minerals at the National Museum of Natural History, and for the National Museum of the American Indian's Cultural Resources Center.

## *Office of Risk and Asset Management*

*Sudeep Anand, Treasurer*

This office manages the Smithsonian endowment and working capital funds and provides risk and insurance management services to protect the Institution's assets against risk or loss. It also evaluates and develops financing for large new trust projects and implements real estate transactions.

## *Office of Sponsored Projects*

*Ardelle Foss, Director*

This office served Smithsonian researchers and scholars by supporting their efforts in submitting 161 proposals valued at \$24 million and by negotiating and accepting for the Institution 120 grant and contract awards having a value of \$14.2 million. The staff also supported researchers and scholars throughout the lifetime of 600 ongoing awards valued at \$50 million.

## *Ombudsman*

*Chandra Heilman, Ombudsman*

This year, the Smithsonian Ombudsman worked with managers and approximately 250 employees as a neutral party to resolve work-related concerns. The Smithsonian Employee Emergency Assistance Fund, coordinated by the Ombudsman; the Employee Assistance Program; and the Agriculture Federal Credit Union made more than 75 loans to help employees through personal financial difficulties.

## *Institutional Advancement*

### *Institutional Advancement*

*Alice Green Burnette, Assistant Secretary*

The wide-ranging development activities of the Smithsonian are the responsibility of the Office of the Assistant Secretary for Institutional Advancement. The office coordinates the Institution's broad efforts with those of the museums and research institutes to ensure that the Smithsonian receives the fullest possible private support for its research, exhibitions, and educational and public service activities. The office also conducts special studies and demonstration projects on behalf of the Institution.

During 1995, the assistant secretary continued to oversee marketing efforts for the Institution's 150th anniversary celebration in 1996. The marketing plan includes activities in public relations, advertising, communications, fund raising, visitor services, membership, telecommunications, and business operations.

The office continued to coordinate the National Campaign for the National Museum of the American Indian. During the opening celebration for the museum's George Gustav Heye Center in New York City in October 1994, the campaign raised \$1.3 million.

In June 1995, the office coordinated a traditional blessing ceremony and other events in connection with groundbreaking for the Smithsonian Astrophysical Observatory's submillimeter telescope array atop Mauna Kea, Hawaii. Associated events were supported by contributions from Aloha Airlines, Bank of Hawaii, and GTE Hawaiian Tel.

The assistant secretary held a seminar for the Institution's marketing and development staff during which participants heard presentations on the Smithsonian's economic impact on the area's economy, the results of the Smithsonian Institution Marketing Study, and the recruitment of Corporate Partners for the 150th anniversary.

In 1995, the secretary joined the Greater Washington Board of Trade. This membership led to collaboration between the Smithsonian and the board's Greater Washington Initiative, which seeks to attract businesses to the metropolitan area. The assistant secretary has provided leadership in this collaboration, which will further enhance the 150th anniversary celebration.

## *National Museum of the American Indian National Campaign*

*John L. Colonghi, National Campaign Director*

The National Campaign for the National Museum of the American Indian is responsible for carrying out the fund-raising plan that the Smithsonian Board of Regents adopted for the Museum. By legislative mandate, the Institution must provide one-third of the construction cost of the museum on the National Mall. The Campaign has established a goal of \$60 million to fund construction, as well as an endowment for ongoing educational and outreach programs.

In October, the Mashantucket Pequot Tribal National made a contribution of \$10 million—the largest cash gift made to date to the Campaign and among the largest ever to the Institution. News of the contribution made headlines nationally, providing valuable visibility for the Campaign's fund-raising efforts.

The Campaign utilized the opening of the National Museum of the American Indian George Gustav Heye Center in New York City as a vehicle for raising funds and visibility. An opening gala for 1,000 guests generated net revenue of nearly \$1.3 million—the most successful such event for the Smithsonian. The Campaign also initiated special advertising, direct-mail, and public relations activities focused on the New York opening.

Program support for the Heye Center was provided by the AT&T Foundation, the Booth Ferris Foundation, the Educational Foundation of America, Toyota, The Hearst Foundation, Inc., The New York Times Company Foundation, and Con Edison.

A national membership program continued to generate funds, as well as to establish a nationwide base of supporters for the National Museum of the American Indian. To date, the membership program has generated gross revenue of almost \$9 million. Membership outreach continued to be extensive. Special member activities were held in New York, Los Angeles, and San Francisco.

## *Office of Membership and Development*

*Marie A. Mattson, Director*

The Office of Membership and Development (OMD) was created during fiscal year 1995 when the Contributing Member-

ship Program merged with the Office of Development. OMD generates restricted and unrestricted private financial support for the Smithsonian from individual donors and Contributing Members and corporations and foundations, to fund Institutional priorities and museum and office-based projects and programs. The office maintains central research and record-keeping functions, manages volunteer organizations, oversees the stewardship of grants, and directs the Contributing Membership Program.

The Office of Membership and Development is responsible for the coordination of the Institution's 150th Anniversary Corporate Partner Program. This program is an innovative marketing and outreach vehicle designed to promote greater public awareness for the incomparable scientific, historic, and cultural resources of the Smithsonian.

Major gifts and pledges to the Smithsonian during the past fiscal year (October 1, 1994, through September 30, 1995) included: \$10,400,000 commitment from the Jerome H. and Dorothy Lemelson Foundation for The Jerome and Dorothy Lemelson Center for the study of Invention and Innovation and a supporting endowment at the National Museum of American History; a \$1,100,000 grant from the Corporation for Public Broadcasting for the Smithsonian Astrophysical Observatory; and \$2,000,000 from Agnes Cowles Bourne for the Storage and Study Center at the Cooper-Hewitt, National Design Museum in New York, NY.

In keeping with its efforts to increase private support for the Institution and reach out to potential Smithsonian constituencies, the office has integrated the Contributing Membership Program into the office's overall strategic plan for donor involvement, communication, and recognition. In preparation for fiscal year 1996 and the Smithsonian's 150th Anniversary celebration, the office has launched a variety of creative initiatives designed to streamline the program and expand the membership.

The Smithsonian Corporate Membership Program continues to expand in membership with corporations representing various industries and geographic locations. The Corporate Program grew from 37 members in 1994 to 47 members in 1995. In the Spring, executives of national and international corporations, members of Congress, and Smithsonian leaders met at the annual Corporate Membership Luncheon to discuss "The Power of Learning in an Enlightened Information Age," which featured the Smithsonian online capabilities and other educational initiatives which impact technology, science, and the humanities.

## *Office of Special Events and Conference Services*

*Nicole L. Krakora, Director*

The Office of Special Events and Conference Services (OSECS) organizes special events and conferences throughout the Institution that contribute to developing and maintaining import-

ant current and potential constituencies. In 1995, the office coordinated activities with Smithsonian museums and research centers, corporations, and organizations whose missions coincide with those of the Institution. Each year, the office coordinates special events for the Board of Regents, the Secretary, Under secretary, and Provost, and for the Smithsonian Institution Council. The office also helps Smithsonian scholars and managers plan and coordinate conferences, international symposiums, and collaborative programs.

OSECS coordinated the annual black-tie dinner honoring members of the James Smithson Society, held on October 14 at the National Zoo's Amazonia exhibition.

The exhibition opening reception for "Voyages and Visions: Nineteenth-Century European Images of the Middle East from the Victoria and Albert Museum," a major International Gallery exhibition, was planned and executed by OSECS.

In May 1995, the queen of Thailand visited the National Museum of Natural History to commemorate the 50th anniversary of the king's accession to the throne and to review the museum's Thai collections. OSECS coordinated the program in Baird Auditorium and the reception in the Rotunda.

OSECS assisted staff and coordinated several major conferences throughout 1995, including "What's American about American Quilts?" The Fourth International Conference on Tethers in Space," and the 58th Annual Meteoritical Society Meeting.

## *Smithsonian National Board*

*Wilbur L. Ross, Chair*

*Jean B. Kilborne, Vice Chair*

Smithsonian National Board members work for the advancement of the Institution as advocates and as private sector advisers to the Secretary and Under Secretary, as well as through personal financial support and fund-raising activities.

Wilbur L. Ross and Jean B. Kilborne served as Chair and Vice Chair during 1995.

With the leadership of the Smithsonian National Board, the Smithsonian Fund for the Future endowment initiative is helping to increase private contributions and provide a long-term base of private support.

Board members contributed nearly \$625,000 in annual support to the Institution. These funds were earmarked for the Board Annual Giving Fund to underwrite expansion of the Smithsonian's constituencies. The contributions also supported special projects throughout the Institution.

## *Smithsonian Women's Committee*

*Gloria Shaw Hamilton, Chair*

The Smithsonian Women's Committee serves as an ongoing source of support for a variety of Institutional programs through volunteer fund-raising and public relations services.

In 1995, the Committee voted to fund 23 projects in the amount of \$240,936.16 at 13 Smithsonian museums and offices. The Discovery Theater received a grant for \$7,400 funded by the Hildegard van Roijen Memorial Fund.

This year, the Smithsonian Craft Show was relocated to the National Building Museum, which allowed the Committee to increase the number of exhibitor booths to 120. The Committee received 1270 applications for the Show, which promotes an awareness of crafts in the Washington metropolitan area and serves as a fund-raising event for the Smithsonian. The Show features one-of-a-kind and limited-edition pieces and has generated over \$1.2 million to benefit research and educational projects at the Smithsonian during its 13 years of operation. The 1995 Show, held in April, raised over \$250,000.

## *Other Functions*

### *Business Management Office*

*Nancy E. Johnson, Senior Business Officer*

The Business Management Office consists of three revenue-generating business activities: Retail Operations (comprising Museum Shops and the Mail Order divisions), Concessions, and Product Development and Licensing. It also oversees Business Development, which identifies additional revenue opportunities for the Institution. In midyear, oversight of the Marketing Database was transferred to the Office of Membership and Development.

In June, Retail Operations opened its first permanent retail location outside of a Smithsonian museum in the new Observation Gallery at Baltimore-Washington International Airport. The shop features Smithsonian items and items related to flight. To support the shop, general information about the Smithsonian is displayed in the airport terminal.

A new outdoor restaurant opened in July on the plaza of the Hirshhorn Museum and Sculpture Garden. The Full Circle, which takes its name from the museum's architecture, is open from April through September.

Last year's merger of the Museum Shops and Mail Order divisions has resulted in almost \$1 million in savings in operational costs with minimal reduction in staff. Sales for both operations have remained steady.

Product Development and Licensing signed several important new licensing agreements in 1995, including an agreement with Avon Products, Inc., for jewelry based on Smithsonian collections. This division also spent significant time in preparing for the licensed merchandising opportunities that will result from the Institution's 150th Anniversary celebration in 1996.

## *Office of Communications*

*David J. Umansky, Director*

The Office of Communications is responsible for the public face of the Institution. Its Office of Public Affairs is dedicated to media relations, publications, and public relations. The Visitor Information and Associates' Reception Area serves the 28 million people who visit the Smithsonian each year. Both groups began intensive preparations for the observance of the Institution's 150th anniversary in 1996.

## *Office of Public Affairs*

Through media relations and publications, the Office of Public Affairs (OPA) informs the American public, people around the world, and Smithsonian employees about the exhibitions, programs, and research activities of the Smithsonian. The office provides the news media with press releases (more than 600 this year), photographs, written material, videotapes, and public service announcements. Its publications include *Research Reports* (a quarterly bulletin), *Smithsonian Runner* (a bi-monthly newsletter about Native American activities at the Smithsonian), and the *Torch* (a monthly employee newspaper), as well as brochures for the public.

When it was launched on May 8, the Smithsonian's Home Page (<http://www.si.edu>) instantly became one of the most popular sites on the World Wide Web. The Home Page features a rich variety of online exhibitions, services, information, images, and sound recordings.

The opening of the "Enola Gay" exhibition at the National Air and Space Museum was covered intensely by U.S. and foreign news media. More than 200 journalists, including 85 television crews, attended the media preview on June 27.

Earlier in the fiscal year, OPA organized the publicity campaign for the opening of the New York facility of the National Museum of the American Indian on October 30. A week of special previews for the media, donors, members, and other guests culminated in a Native American blessing on the steps of the building. Extensive media coverage reached millions of Americans.

This year, the office issued a number of updated publications, including the Smithsonian's general information brochure, "Latino Resources at the Smithsonian," and "Native American Resources at the Smithsonian." Information from these and other OPA publications is available on the Smithsonian's Home Page on the World Wide Web.

OPA continued its program designed to reach new audiences with a radio advertising campaign geared to local African American listeners and a print advertising campaign targeting Latino readers.

Activities for the commemoration of the Smithsonian's 150th anniversary in 1996 began with a news conference on March 27. Secretary Heyman described plans for the celebration, from a major event on the National Mall to a traveling exhibition of treasures from the collections.

## *Visitor Information and Associates' Reception*

*Mary Grace Potter, Director*

Celebrating its 25th anniversary, the Visitor Information and Associates' Reception Center (VIARC) continues to operate as a multi-program information and support organization responsible for Institution-wide information and assistance services for the public, Associate members, Smithsonian staff, and volunteers. Several VIARC programs operate seven days a week and involve the coordination and direction of two large corps of volunteers who constitute a primary source of support for the Institution's public information activities and for project assistance behind the scenes.

Responsibilities of the Visitor Information and Associates' Reception Center include: the Smithsonian Information Center, the Institution's primary orientation and information facility for visitors; Public Inquiry Mail and Telephone Information Services, the Smithsonian's central information and referral point for public correspondence and phone inquiries; the Volunteer Information Specialist Program through which volunteers are recruited and trained to staff telephone information stations and information desks in most of the Institution's 14 Washington, DC museums; the Castle Docent Program through which tours of the Smithsonian Institution Building are conducted; the Behind-the-Scenes Volunteer Program, a registration and placement activity for volunteers working in independent projects pan-Institution; a Pre-Visit Education Program which provides the principal Smithsonian contact with the local, national and international tour and travel industry; and an Exterior Graphic Information System through which out-of-doors wayfinding assistance is provided to visitors. VIARC's Information Resource Division maintains multiple computer-based information systems and produces the variety of printed reference materials, information

aids and publications that support all VIARC public information activities and service programs. Additionally this Division is responsible for the pre-publication review of all Smithsonian visitor information materials.

Operating from 9 a.m.-5:30 p.m. daily, the Smithsonian Information Center attracted well over 1.7 million visitors in FY 95 an increase of 7.9% over FY 94. New seating was purchased for the Center in keeping with ADA guidelines and the number of sofas was increased to better accommodate the visiting public. The Center's capacity to promote Institutional programs and initiatives was expanded with the installation of graphic message capability in both orientation theaters. Reception services were provided to 35,309 Associates and their families. 2,863 memberships were sold and 260 Castle tours engaged 2,912 participants.

Museum information desk services continued daily at 16 locations in 13 museums. Automated information retrieval was operational at 11 desk sites and all phone information stations. Multiple training classes on how to use VIARC's InfoTools computer program equipped volunteers with the skills needed to fully utilize the system. 67 new Information Specialists were added to the corps.

Incoming public mail inquiries numbered 44,617 (+4%). Outgoing mail numbered 79,823 pieces. Inquiries resulting from VIARC's participation on America OnLine escalated to 7,123 (+160%). Public telephone inquiries totaled 303,627 up 2% from '94.

224 new volunteers were recruited and placed in projects behind the scenes. 398 were registered for other staff. Total volunteers participating in behind the scenes projects during the year numbered 1,103. 130 documents representing 10 different languages were translated for SI staff. Evaluations from volunteers completing projects were positive with few exceptions.

The Institution-wide volunteer survey conducted annually by VIARC counted a total of 5,412 volunteers who contributed some

472,766 hours of service to the Institution during FY 95. The January supplement of *The Torch* recognized the contributions of volunteers Institution-wide and focused upon new areas in which volunteers were participating.

Information Specialists took advantage of some 29 in-service training opportunities designed to increase their knowledge and understanding of the work and collections of the Institution.

Appreciation events were held for both VIARC's behind-the-scenes and information volunteers. Secretary Heyman addressed the Information Specialists at their event in December. The *InfoSpecial* newsletter, produced quarterly, highlighted a cross section of Institution exhibitions and programs while also reporting on volunteer activities.

Efforts continued in FY 95 to extend use of VIARC's information database which became a primary resource for the Institution's World Wide Web Home Page project. External

on-line communications expanded to include the Washington Post's Digital Ink.

Work with the tourism industry continued through participation in major marketplace activities, liaison with local hospitality, convention, and visitors associations and on-line through TravelFile. To promote the Smithsonian as a major destination for international travelers VIARC co-hosted two Smithsonian receptions, one for principal international tour operators and another for premier Concierges. Ads were designed and placed in key industry publications to promote travel to the Smithsonian during our Sesquicentennial year. Efforts with the American Bus Association resulted in the Smithsonian being selected as one of the top 100 destinations for visitors in 1996.

Efforts to address the Institution's accessibility and cultural diversity goals were on-going. 36% of new Volunteer Information Specialists represented minority constituencies. 18% of new volunteers placed in projects behind the scenes were known to be minorities. Printed information in the form of "Samplers" was produced for all Heritage Celebrations and 24 hour recorded information tapes were also provided. Publications were revised to reflect adherence to accessibility guidelines as new updates were required.

New public information initiatives included participation on Bell Atlantic's InfoTravel system installed in area hotels and Guest Info, an independent voice mail information system made available to hotel guests. An outreach project of the Provost provided another opportunity to promote the Institution as an important visitor destination. VIARC played a major role in shaping the new display at the Baltimore Washington International Airport and the message. Photo images and text from the Information Center's backlit panels and our Castle model form the primary features.

## *Office of Government Relations*

*M. John Berry, Director*

As the primary liaison with the Congress, the President, and other federal, state, and local entities, the Office of Government Relations represents the Institution on matters of policy, operations, and governance. It is the coordinator and advocate of the Smithsonian's overall interests and positions in the legislative process as well as the central provider of congressional constituent services and outreach activities.

During 1995, the office oversaw the enactment of legislation appointing two citizen members to the Smithsonian Board of Regents.

Government Relations staff sought enactment of legislation authorizing the minting of commemorative coins in observance of the Institution's 150th anniversary. Staff members also continued legislative negotiations to establish the Na-

tional African American Museum in the Arts and Industries Building.

## Office of Planning, Management, and Budget

*L. Carole Wharton, Director*

The Office of Planning, Management, and Budget provides analytical and budgetary information to aid the secretary and other senior staff in decision making. Working with Smithsonian management, the office presents the Institution's budget request to the Congress, executes and monitors current-year funding, develops the Smithsonian's response to the second phase of the National Performance Review, and initiates studies to support the secretary's strategic planning process. The office is developing a network to allow the rapid exchange of information with all Smithsonian units and the retrieval of documents central to the Institution's operations.

## Office of Telecommunications

*Paul B. Johnson, Director, Office of Telecommunications*

The Office of Telecommunications, the Smithsonian's electronic media production center, accomplished several of its major goals by developing a wide range of programming in television, radio, and multimedia for new audiences. These Smithsonian-based programs involve the latest technologies, pan-institutional working relationships, and solid marketing plans to assure their success in broadening the Institution's reach.

The Office, with the Smithsonian Institution Press, began developing a major children's television series for 8- to 12-year-olds, in conjunction with Lancit Media Productions, Ltd. As the first children's series to spotlight the Smithsonian, it aims to use the museums and collections as catalysts for exploration and adventure, and provide a new opportunity for the Institution to reach young audiences nationwide. Plans include simultaneous development of multimedia programs, games, and books as well as ancillary educational materials.

Looking toward the Smithsonian's 150th anniversary celebration, Radio Smithsonian was awarded funding from the Corporation for Public Broadcasting to create *Black Radio: Telling It Like It Was*, the first radio series to document the history of Black radio in America. The 13-part series, hosted by Lou Rawls, will air on public radio in January 1996 and again in September 1996. The project received additional funding from the James Smithson Society.

Two other Radio Smithsonian series, the multiple award-winning *Folk Masters* and popular *Jazz Smithsonian* continued their successful runs on stations in the U.S. and overseas. After an innovative marketing campaign, *Folk Masters* doubled its radio station carriage. *Jazz Smithsonian*, hosted by Lena Horne, was heard on 185 stations and became the most successful jazz series ever distributed by Public Radio International. The Office created a jazz calendar, *Radio Smithsonian Presents Jazz 1995-1996*, in cooperation with National Museum of American History's Cultural History Division and the Smithsonian Institution Traveling Exhibition Service (SITES), to promote the radio series and the many jazz activities of the Institution.

The Office continued to play a leadership role in multimedia by establishing new relationships with two publishers for the production of CD-ROM titles. Programs in production include: *Information Age*, a look at the social impact of technology, to be distributed by Philips Media; *Insect World*, a view of arthropods in a variety of habitats, to be distributed by The Voyager Company; and *150 Years of America's Smithsonian: Discovering, Imagining, Remembering*, to be distributed by Macmillan Digital. A direct mail campaign promoting existing Smithsonian/Philips CD-i titles drew an excellent response from individuals requesting additional information on Smithsonian electronic media.

A new contract between the Smithsonian and Hot Shots/Cool Cuts, Inc. of New York will greatly enhance licensing of the Office of Telecommunications' extensive library of film and video footage. This arrangement makes Smithsonian footage available to television and film producers in a systematic manner, and promises a new source of revenue for the Institution.

The Office produced videos for museum exhibitions including *First Ladies: Political Role and Public Image*, a video for the new theater in NMAH's First Ladies exhibition; *Think Tank*, a multi-screen video for the National Zoological Park's exhibition examining animal intelligence; and six videos for the *Exploring Marine Ecosystems* hall at NMNH. *Meet the Ellington Orchestra*, the interactive video produced by the Office for the SITES' exhibition *Beyond Category: The Musical Genius of Duke Ellington* won a Silver Medal at the New York International Multimedia Festival.

To expand distribution into the home video market of the film *In Open Air: A Portrait of American Impressionists*, the Smithsonian Women's Committee funded the repackaging and marketing of *In Open Air* to target markets of art enthusiasts, particularly National Museum of American Art members and museum shops. The campaign was successfully completed, and the video is now on sale in over a dozen museum shops nationwide, including Smithsonian museum shops.

A James Smithson Society grant was awarded to the Office to purchase hardware to allow creation of high-quality video, graphics, and audio materials for the Smithsonian Home Page on the World Wide Web. This equipment will also be used to

enhance development of web sites operated by individual museums and offices throughout the Institution.

In collaboration with the Filmmakers Collaborative of Boston and KajimaVision Productions of Toyko, the Office began developing a four-part television series exploring music along the Mississippi River. Called *River of Song*, this project will travel through the heartland of America focusing on the musicians, storytellers, and writers who share the unique culture of their communities along the Mississippi. Other components of the project include a radio series produced by Radio Smithsonian and a book/CD package to be developed with SI Press.

## *Office of the Senior Information Officer*

*Arthur Denny, Director*

The Office of the Senior Information Officer was established this year to develop Smithsonian information technology policy and coordinate strategic management. It incorporates the Office of Information Technology (formerly the Office of Information Resource Management). In this year of restructuring, the office began evaluating functional and organizational models and established a strategic planning advisory group. The office was also at the forefront of the Smithsonian's electronic transformation.

In April, the office cohosted the "21st-Century Classroom" demonstration project, which showcased an array of educational technology for the kindergarten through 12th-grade audience.

In May, the office launched the Smithsonian's home page on the World Wide Web (<http://www.si.edu>). The home page supplements the office's other online initiatives with extensive general information, colorful exhibitions, and research material. It attracted favorable notice in the general and trade press and remains one of the most popular World Wide Web sites.

## *The Smithsonian Associates*

*Mara Mayor, Director*

During 1995, The Smithsonian Associates (TSA) reached out to Smithsonian members and to the general public with an enticing array of educational and cultural programs that were carefully designed to highlight and complement the work of the Institution. The Resident Associate and Young Benefactors programs offered a wide array of events for those in the greater Washington, D.C., area. Opportunities to experience the Smithsonian's riches away from the National Mall were

available to those who participated in special regional programs and in national and international study tours and seminars.

TSA's offerings provide audiences in the greater Washington area with a Campus on the Mall that truly is unlike any other campus in the world. Participants were enthralled with lectures across a wide spectrum of subjects. Some of the more notable speakers included Nobel Peace Prize recipient Archbishop Desmond Tutu, playwright Neil Simon, British mystery writer P. D. James, Pulitzer Prize recipients David McCullough and Carl Sagan, and former Secretary of Defense Robert McNamara. The public's fascination with food and its cultural meaning was affirmed by the 1,600 people who attended a Smithsonian Gala Celebration featuring Master Chefs Julia Child and Jacques Pepin, with food critic Phyllis Richman as moderator. Associates were also dazzled by personal appearances from such well-known personalities as Betty White, Charlton Heston, Lauren Bacall, Gregory Hines, and Carol Channing, each of whom discussed their life and art.

TSA's Campus on the Mall also offered a wide variety of weekend seminars. This year's favorites included "The Spirit of Finland: A Celebration of the Senses," "Treasures from the Royal Tombs of Sipan," "Ancient Nubia: Egypt's Rival in Africa" and "Frank Lloyd Wright: Visionary Genius of Modern Architecture."

For a still more penetrating examination of a subject, TSA offered an expansive range of multi-week courses in the arts, humanities, and sciences. Popular courses included "Robert E. Lee: A Study in Leadership," "The Great Books of Western Civilization," "Whodunit—And How: Criminal Investigation with Forensic Scientists," and "Interacting with the Internet: Its Impact on Society." Theater-lovers delved into the creation of the American musical as it evolved from a book to a full-blown, live production in "American Musical Theater: From the Page to the Stage," which was offered in conjunction with Signature Theater. A five-week course celebrating the 75th anniversary of the National Football League featured NFL commissioner Paul Tagliabue, former Dallas Cowboy coach Tom Landry, ABC's Frank Gifford, and former players Gale Sayers, Mel Blunt, Ray Nitschke, Otto Graham, and Marion Motley.

The ever-popular performers of the Emerson String Quartet played to sold-out audiences for the 15th straight year, while the Smithsonian Chamber Music Society presented a comprehensive season of extraordinary music performed on original instruments from the National Museum of American History's prestigious collection. Additional performing artists gracing Smithsonian stages mirrored the cultural diversity of the nation including "Chinese Kunqu Opera Theater," "Boca Livre—Sounds of Brazil," "Altan: The Heartbeat of Ireland," the first U.S. performance by the Vietnamese "Perfume River Traditional Ensemble," "Conjunto Cespedes: Sizzling Sounds of Cuba," "Cuatro Tablas—Teatro de Protesta from Peru," "Jose Greco and Company," and the "T.S. Monk Sextet," to name just a few.

Young people and families participated in lectures, tours, classes, and special events. A Halloween party featured Spider-Man, who was joined by real-life cronies in the dynamic interactive exhibition "Spiders!" at the National Museum of Natural History. International Children's Day, sponsored with the Embassy of Italy, offered children and their parents a chance to sing along with Italian actor Carlo Cicala as he taught holiday songs and told children's folktales. "The Making of the Lion King: From Film to Book" gave youngsters a chance to get behind the scenes of the movie that became an instant classic. Live theater was also enjoyed by over 75,000 youngsters from elementary through middle school, thanks to the 12 different productions presented at Discovery Theater, including "When Lions Could Fly," "Coyote Walk and other Native American Tales," and the children's favorite classic, "Aesop's Fables."

The Young Benefactors (YB), the Smithsonian membership group aimed at Washington-area professionals 25–45 years of age, continued their outreach and fundraising efforts by raising a record \$100,000 for the Institution during 1995. Young Benefactors hosted and participated in the following activities: "Under the Sea," a YB extravaganza highlighting the Ocean Planet exhibit at the National Museum of Natural History; "Boot, Scoot, and Boogie at the National Zoo;" and "Tour de YB," a bicycle excursion to Smithsonian's Conservation and Research Center at Front Royal, Virginia. YB members celebrated their most successful year ever at the sixth annual Blast-Off Black Tie Gala and Silent Auction held at the National Air and Space Museum.

Specially designed weekend programs brought Smithsonian scholars to locales beyond the National Mall. TSA concluded its 10-city sequence of educational events in California, begun the year before, with programs in San Francisco and Los Angeles under the theme, "Many Cultures, One Nation." Working closely with the Arts Council of El Paso, Texas, and the University of Ciudad Juarez, Mexico, TSA presented a borderland series of events in both English and Spanish. In addition, an exceptionally well-received series was presented as part of the Scranton Preparatory School's 50th anniversary commemoration, in Scranton, Pennsylvania.

Study tours and seminars were enjoyed by Associates who had the chance to experience the Smithsonian without having to come to Washington, D.C. Seminar participants traveled the globe from Indonesia to Ireland, from California to the District of Columbia, studying a variety of topics through four- and five-day intensive educational experiences. Some of the most popular seminars introduced Associates to ecological issues in Yosemite National Park, to the history of the atomic bomb at Los Alamos, and to the beauty and imagery of Monet's art. To make it more convenient for Associates to learn about domestic travel with the Smithsonian, the listing of U.S. seminars was combined into one catalog with the national study tours.

Smithsonian national tours took Associates to breathtaking out-of-the-way places such as Alaska's spectacular fjords and

glaciers on "Exploring Alaska's Coastal Wilderness." "Spring Gardens of the Delaware Valley" covered one of the most horticulturally rich areas in the U.S., with visits to the duPont estate gardens of Longwood and Winterthur. New domestic study tours in 1995 included "Railroading the Appalachians" and "Arizona History and Architecture."

International study tours continued to lure Associates, offering them a chance to see regions of the world through the unique perspectives that only the Smithsonian offers. After a four-year hiatus, Associates returned to Central Asia and the new countries of Kazakhstan and Uzbekistan (formerly of the U.S.S.R). The Smithsonian's first tour to Syria focused on the classical archaeological sites Palmyra and Apamea, while new tours to Vietnam provided an intimate look into this rapidly changing country.

TSA also launched several important initiatives in 1995. A very special collaboration with SITES and "Artrain: America's Museum in Motion" resulted in the development of a traveling exhibition highlighting works from The Smithsonian Associates' wonderfully varied commissioned art. In March 1996, the exhibition will begin a nationwide three-year trip via the railways to communities traditionally under-served by museums. TSA also started an audiotape collection of some of its well-regarded speakers. To be known as "Voices from The Smithsonian Associates," the collection will build over the coming years, making it possible for people around the country to enjoy a varied selection of the best Resident Associate programs. TSA also took an important step in strengthening its ability to provide outstanding customer service with the implementation of new ticketing systems for all its events.

## *Smithsonian Institution Press*

*Daniel H. Goodwin, Acting Director*

In the more than 125 titles the Press publishes or distributes each year, there is a range of scholarship from technical science and academic subjects through general-interest illustrated works, classic recordings, historic videos, and high-volume works created with commercial partners. As the Institution's publisher, the Press is responsible for *Smithsonian Year* and *Annals of the Smithsonian* as well as other statute-mandated documents for distribution to Depository Libraries and the international academic community. Books, recordings, and videos are printed and manufactured with nonfederal funds and are sold to the trade through commissioned sales representatives, direct response strategies, and copublishing agreements.



Smithsonian Institution University Press published 74 books in 1995. Notable titles included *Hajj Paintings: Folk Art of the Great Pilgrimage* (also published as a German edition); *Ethics on the Ark*, which launched a new book series in zoo and aquarian biology and conservation; *The Civil War in Popular Culture*, a History Book Club selection; *In the Alleys: Kids in the Shadow of the Capitol*; *The Emergence of Pottery: Technology and Innovation in Ancient Societies*; *African Nomadic Architecture: Space, Place, and Gender*; *Secrets of the Dark Chamber: The American Daguerreotype*, published with NMAA; and *From Airships to Airbus: The History of Civil Aviation* (in two volumes). Editorial work also began on *America's Smithsonian: Celebrating 150 Years*, the companion volume to the planned exhibition of the best of the Institution's collections, which will travel to twelve U.S. cities in honor of the Smithsonian's sesquicentennial. Press books received numerous design and editorial awards. Prominent among the award-winners were *Eakins and the Photograph*, *The Fossils of the Burgess Shale*, and *A Quest for Grandeur: Charles Moore and the Federal Triangle*. Translations of SIUP books appeared in Japanese, French, Italian, German, Spanish, and Korean. Smithsonian Book Development copublished, with Dorling Kindersley, *Smithsonian Timeline of Invention*. The federal Series published more than 25 titles in the Contributions and Studies research volumes.

Smithsonian Books published *The Smithsonian: 150 Years of Adventure, Discovery, and Wonder*, in commemoration of the founding of the Institution. The book will be sold in book stores by Alfred A. Knopf. Smithsonian Books also published *Discover America: The Smithsonian Book of National Parks*; copublished, with Random House, the first four volumes of *The Smithsonian Guides to Natural America*; and oversaw production of the last three volumes in the Ancient Civilizations series.

Smithsonian Collection of Recordings published the final four recordings in the American Songbook Series, music produced to honor twentieth-century American songwriters. Another series, the music of Great American Orchestras, began publication in February. A four CD/cassette set titled *I Got Rhythm: The Music of George Gershwin*, was released in June, followed by a two CD/cassette collection of the love songs of World War II, *You'd Be So Nice to Come Home To*. Two coproductions were undertaken: with BMG Music, the three CD/cassette *Victory Collection: The Smithsonian Remembers When America Went to War*; and with Sony Music, the four CD/cassette Grammy Award-winning *Louis Armstrong: Portrait of the Artist as a Young Man, 1923-1934*. The final release this year was *Big Band Renaissance*, another Grammy hopeful.

Smithsonian Video released a thirteen-part series of selected segments of *Smithsonian World*; coproduced, with Station WGBH Boston, the Nova series entitled *Human Origins*; and released the five-part series *Dreams of Flight* to commemorate the twenty-fifth anniversary of the Apollo mission.

## Smithsonian Magazine

Ronald C. Walker, Publisher

Don Moser, Editor

Since its founding in 1970, *Smithsonian* magazine has extended the Institution's message, expanded its influence, and increased its public visibility throughout the United States and abroad. Considered one of the greatest success stories in magazine publishing history, *Smithsonian* is now the 21st largest magazine in the country, with a circulation of 2.1 million. It continues to generate revenue for the Institution.

Editorial subjects extend beyond the scope of the Institution's museums. Leading authors contribute articles about the arts, history, the environment, conservation and the sciences, always written with the layperson in mind. Monthly features include "Phenomena, comment, and notes," a commentary on nature and the natural world; "Smithsonian perspectives," a column by the Smithsonian secretary; and reviews of recently released nonfiction. Smithsonian activities are covered in three regular departments: "Around the mall and beyond," "Smithsonian highlights," and "The object at hand."

Institution-related features included cover stories on the opening of the George Gustav Heye Center of the National Museum of the American Indian and the White House craft show, and articles or picture stories on the Mary Fraser batik show at the National Air & Space Museum, the Hiroshima Kazuo basket exhibition and the Painted Prayers exhibition at the Sackler Gallery; Smithsonian bamboo research in Peru; the Smithsonian Libraries' "Art and the Book" exhibition and the "Save Our Sculpture" program.

Other subjects covered during the year reflected the magazine's broad and diverse interests. To name just a few: Frederick Douglass, Haida artist Robert Davidson, the art of the Hermitage, the controversy over the disposal of nuclear waste, crash dummies, the music of Motown, killer whales, the special world of left-handers, the history of trial by jury and the upcoming Pathfinder probe of Mars.

In April the magazine published a special issue to mark its 25th anniversary. The issue updated selected articles from each of the 25 years, and offered a varied menu of stories on unexpected subjects — from the world inside a cubic foot of air to a selection of little-known museums. The magazine will present a special issue in the spring of 1996 to commemorate the Institution's 150th anniversary.

In partnership with the American Society of Travel Agents (ASTA), the magazine awarded the fourth annual ASTA/Smithsonian Magazine Environmental Award to InterContinental Hotels Corporation and the Natal Parks Board of South Africa. The award recognizes outstanding achievements by individuals, corporations, and countries toward furthering the goals of environmental conservation, particularly within the tourism industry.

To further carry the goals of the Institution across America, in November, the magazine merged onto the information superhighway via America On Line. In May, it went a step further and established a home page on the World Wide Web. Through its electronic sites, *Smithsonian* now features each issue's columns and abstracts of feature stories, as well as information on Smithsonian Institution activities and events.

*Smithsonian* magazine's Adopt-a-Library program, initiated in May 1995, by August had received more than 9,000 orders to donate gift subscriptions to libraries. Another new program, the Teachers' Membership instituted in the summer of 1995, is geared to teachers and educators.

## Air & Space/Smithsonian Magazine

*Ronald C. Walker, Publisher*  
*George C. Larson, Editor*

*Air & Space/Smithsonian* is published bimonthly as a benefit of membership in the National Air and Space Museum. With a circulation of 320,000, it ranks in the top half of major magazines in the United States and has the largest paid circulation of any aerospace periodical in the world. Since 1990, just four years after its launch, the magazine has generated revenue for the Institution.

Articles cover the range of air- and space-related topics that appeal to the magazine's general readership. Regular features include "In the Museum," a column about happenings in the museum; "Soundings," short takes on events in the aerospace community; "Above and Beyond," usually a first-person account of personal experience; "Collections," a narrated tour of less-visited aerospace museums and collections; and "From the Field," a section in which scientists provide first-person accounts of their work.

During the year, *Air & Space/Smithsonian* prepared its first contemporaneous editorial feature and video, "Runways of Fire." The subject is based on '50s Cold War advanced test flight experiments that involved launching fully loaded jet fighters from flat-bed trucks as deterrents to a first strike from the Soviets. Trucks were used to test the feasibility of launching warheads in the event runways were damaged or non-existent. Although never put into action, the tests were successful. The one-hour video was produced throughout the year to be presented along with a related story in the Oct./Nov. 1995 issue.

A presence on the World Wide Web netted immediate success for *Air & Space/Smithsonian*. After only two months of operation, the magazine's on-line site was awarded Point Surveys's Top 5% Award in July, based on surveys of World Wide Web users and experts in Internet design and content evaluation.

When the Smithsonian Institution celebrates its 150th anniversary in 1996, it will be even more special for *Air & Space/Smithsonian*, as this momentous occasion coincides with the magazine's 10th anniversary. The magazine has been working on a special issue to celebrate these unique anniversaries.

## Affiliated Organizations

### *John F. Kennedy Center for the Performing Arts*

*James D. Wolfensohn, Chairman*  
*Lawrence J. Wilker, President*

As the John F. Kennedy Center for the Performing Arts entered its 25th anniversary season, it prepared to celebrate a quarter-century of achievement as a guiding force in the nation's cultural life. Its six theaters host the finest American and international artists for performances that attract nearly 2 million people each year. Through television and radio broadcasts and nationwide outreach efforts, the center reaches millions more people across the country. The center has a strong tradition of nurturing new works and young artists, serving young people through its Education Department, and offering exemplary art education programs for teachers and students.

The Kennedy Center's new online network, ARTSEDGE, provided access to information about the center's innovative teacher education programs. Other national outreach programs included a touring production of *Alice in Wonderland* and the center's third biannual "New Visions/New Voices" workshops for authors of new theatrical works for young people.

The National Symphony Orchestra (NSO) commissioned 25 new fanfares by American composers in honor of the Kennedy Center's 25th anniversary season—also the NSO's 65th season and its first programmed by Music Director Designate Leonard Slatkin. The NSO's third annual American Residency program took orchestra members to Maine for two weeks of performances, master classes, and other educational activities.

The Kennedy Center celebrated the "Routes of American Music" during its annual Open House Arts Festival, which emphasized blues, jazz, gospel, and other genres of American popular music. An ambitious season of jazz programming included the second season of *Billy Taylor's Jazz at the Kennedy Center*, taped for broadcast on National Public Radio.

The "Exploring Ballet with Suzanne Farrell" residency program was opened to dance students nationwide in 1995. To mark its 25th anniversary, the center launched a five-year retrospective of American modern dance and extended the successful Kennedy Center Ballet Commissioning Project.

Meanwhile, the second year of the Kennedy Center/Dance Theatre of Harlem Community Residency initiative involved more than 100 local students and their families.

The center's new production of *How to Succeed in Business without Really Trying*, starring Matthew Broderick, played in the Opera House before beginning a successful Broadway run. Washington audiences had their first look at *Angels in America*, the Pulitzer Prize-winning play by Tony Kushner developed with financial support from the Kennedy Center Fund for New American Plays.

## National Gallery of Art

*Earl A. Powell III, Director*

The National Gallery of Art serves the United States in a national role by preserving, collecting, exhibiting, and fostering the understanding of works of art at the highest possible museum and scholarly standards.

The temporary exhibition program continued to offer a selection of subjects and artists designed to appeal to widely diverse audiences. During the past year, exhibitions included original Italian Renaissance wooden architectural models of St. Peter's in Rome and the cathedrals of Florence and Pavia; "The Glory of Venice: Art in the Eighteenth Century"; the work of 20th-century Dutch painter Piet Mondrian; a Claes Oldenburg survey; the mature work of Arshile Gorky; the most comprehensive gathering of work by James McNeill Whistler since 1904-05; and rare images by pioneers of photography.

With the opening of new, small-scale exhibition space adjacent to the Dutch galleries, the Gallery now has an area suitable for the display of smaller Dutch and Flemish paintings and related objects such as drawings, prints, and small sculpture.

Purchases for the collection are made possible by funds donated by private citizens. Outstanding among them were a major painting by the early-17th-century Dutch artist Osias Beert the Elder; a Claes Oldenburg soft sculpture, *Clarinet Bridge*; and the Mary and David Robinson collection of early photographs.

Gifts to the collection included a group of important 19th- and 20th-century French works from Paul Mellon; works by Jean Dubuffet, a partial gift from Stephen Hahn; and a 1981 sculpture by Richard Long, *Whitechapel Slate Circle*, from the Collectors Committee.

The gallery's ongoing efforts to find frames appropriate to the period, style, and aesthetic character of its paintings are transforming the appearance of the permanent collection. Especially notable was the replacement of the frames of three paintings by the Dutch master Johannes Vermeer.

The education division inaugurated a new annual series of lectures, gallery talks, and demonstrations exploring artists' materials and techniques. The division also published 75 gallery guides; expanded the annual National Teacher Institute; and offered a new program for students at three District of Columbia public schools.

## Reading Is Fundamental, Inc. (RIF)

*Ruth Graves, President*

Reading Is Fundamental (RIF) began in 1966 as a small pilot literacy project in the District of Columbia. The success of this experiment sparked the imagination of communities across America and RIF quickly grew into a nationwide program spanning all 50 states, the District of Columbia, Puerto Rico, the Virgin Islands, and Guam. By the beginning of 1995, RIF's grassroots network of local projects had put more than 152 million books into the hands of America's children.

Today, community groups across the country rely on RIF's volunteer force of 184,000 local citizens to ensure that children in their neighborhoods grow up reading. RIF projects now operate at more than 18,000 sites and in all kinds of settings—elementary and secondary schools, Head Start centers and other early childhood sites, libraries, hospitals, clinics, housing projects, Native American reservations, schools for children with disabilities, migrant worker camps, juvenile detention centers, and homeless shelters.

RIF not only brings books and reading activities to children, it also tries to see that parents make reading a priority in the home. Last year, RIF continued to reach out to parents, other family members, and community volunteers with publications, workshops, a training video, and a network of family literacy programs.

RIF also focuses public awareness on the importance of reading. In 1995, that goal was furthered as a number of national leaders demonstrated their support for literacy. Here are but three examples:

As RIF's new spokesperson, basketball superstar Shaquille O'Neal of the Orlando Magic talked to children about the importance of reading in a new Public Service Announcement for RIF. Produced and televised by the National Basketball Association, the new PSA was aired during the NBA playoffs last spring.

Pennsylvania Governor Tom Ridge presided over a ceremony honoring RIF children in Summit Township, Pa. for winning the Margaret McNamara Readers Cup. For three years in a row, the children at the project have read more on average than any other RIF project in the nation. The children's accomplishments were also noted by U.S. Senators Arlen Specter and Rick Santorum, who sent envoys from their offices to take part in the ceremony.

Another celebrity visitor was U.S. Attorney General Janet Reno, a frequent guest at a RIF project in the District of Columbia. During a RIF Career Day last February, Ms. Reno read aloud to children and talked about African American scholars and statesmen. The children, in turn, quoted their favorite poems and then took part in a RIF book event.

### *Targeted Initiatives*

At each stage of a child's development, RIF works to promote reading:

To ensure that children arrive at school ready to learn, RIF intensified its early childhood program for disadvantaged children through a collaborative agreement with the National Head Start Association (NHSA). Last year NHSA sent out questionnaires to 87 Head Start sites that had run RIF programs and received an extremely positive response about the effect RIF has on children's emergent literacy: Volunteers said that RIF is the key to bringing the excitement of books to preschoolers. They also said that RIF is helping Head Start groups attract community support and involve even the most reluctant parents in their children's literacy program.

In the upper-elementary grades, children are learning that science can be fun through STAR Science Technology And Reading® — a supplemental RIF curriculum that combines hands-on science activities with reading and a sci-tech mentoring program. Last year, Iowa publisher Kendall/Hunt published the series of eight STAR "labs" and the GE Fund provided a grant to extend STAR to children in upstate New York, western Massachusetts, and southern Vermont. A course on the STAR program was conducted by RIF last July, during a Smithsonian Summer Seminar for Teachers.

Children who have not had exposure to books because they live in highly transitional settings are being reached through RIF's Project Open Book®. Last year this privately-backed program for seriously at-risk children marked its fifth year by delivering nearly 1.5 million books to 823 shelters, prison waiting rooms, and similar settings in 43 states and the District of Columbia.

RIF is also working with the private sector to bring books and reading activities to Native American children from dozens of tribes and in all kinds of settings. Over the last 12 years, for example, the New York Life Foundation has helped fund RIF programs for more than 186,000 Native American children in dozens of states.

Another growth area was RIF's program for children in hospitals and clinics. Last winter, for example, RIF established a new program in the Adolescent Wing and Pediatric AIDs Wards of the Harlem Hospital. The announcement was made following the dedication of two new RIF Reading Rooms in memory of the late Arthur Ashe, a longtime member of RIF's Advisory Council.

The needs of young people who can't meet the minimum reading and writing demands of our society (such as filling out job applications or reading directions) led RIF to form al-

liances with after-school programs and to stage book events that engage young people in reading adventures. In some cases, fun activities like these have completely turned youngsters around. One boy, while participating in a RIF activity organized by the Boys and Girls Club RIF project in Milwaukee, changed his mind about books and began reading about pre-Columbian Indian tribes of the Southwest and careers in paleontology and archeology. The boy even won a trip to Colorado to participate in a real archeological dig. The year 1995 found that youngster in college, just one of many RIF success stories.

Young people are also being trained to promote children's literacy through the RIF Youth Corps, modeled on the Club RIF project in Mesa, Ariz. Last year the Corps was operating in eight states: Alabama, Arizona, Florida, Indiana, Maryland, Minnesota, New Hampshire, and North Carolina.

### *Highlights of the Year*

Last spring, the focus was on families reading together as RIF marked Reading Is Fun Week 1995 with a "Growing Up Reading" theme. During the National Awards Ceremony at the Smithsonian Museum of Natural History, Juwan Howard, pro basketball star on the Washington Bullets team, spoke about how he had first discovered RIF books while attending a Chicago school. "Being a part of RIF has been a big inspiration to my life," Howard told the children.

RIF cooperated with the U.S. Department of Education in launching a summer reading program for young people called READ\*WRITE\*NOW!, as a project of the Secretary's Family Involvement Partnership for Learning. Under the program, kits with lists of children's books and reading activities were sent out to RIF projects that operate during the summer months.

RIF's largest program for preschoolers was spotlighted during the Education Department's Satellite Town Meeting. Cathy Gafford, who coordinates Jean Dean RIF, a Kiwanis-sponsored RIF program that reaches disadvantaged children throughout the State of Alabama, was a panelist on the videoconference.

In June RIF coordinators from 12 large multi-site programs came to a workshop in Washington D.C. to discuss how to better meet the needs of children through their RIF programs, which are currently serving nearly 130,000 children at some 500 sites. During the sessions, RIF gathered information that it plans to use in its technical assistance to multi-site programs, and the volunteers came away with new ideas on how to run their RIF programs.

Throughout the last three decades the publishing community and RIF have worked together to bring books to children and provide special discounts and services to RIF projects. Last year, Waldenbooks and Borders continued that tradition, by announcing a new decade of support for RIF during a black tie benefit at the Waldorf-Astoria Hotel in Manhattan. The benefit raised \$100,000 for

children's book programs, thanks to the generosity of more than 300 publishing executives.

Support for RIF from the book community was also demonstrated during the annual American Booksellers Association convention in Chicago, when the Ingram Book Co. sponsored a Chili Cook-Off to raise money for the literacy programs of Reading Is Fundamental, RIF in Chicago, and Literacy Chicago, a consortium of adult literacy groups.

## *Woodrow Wilson International Center for Scholars*

*Charles Blitzer, Director*

The Woodrow Wilson Center honors the nation's 28th president by providing a place for free intellectual inquiry that strengthens links between the worlds of ideas and public affairs. Through an annual fellowship competition, scholars from around the world are invited to the center for extended periods of research and writing. The center also sponsors public meetings, generates publications, and produces broadcast programs that make individual scholarship accessible to policy makers and a broad public.

A distinguished group of scholars and policy experts discussed the political and policy questions surrounding the affirmative action debate in a program at the center. Juan Williams, *Washington Post* journalist and guest scholar, was the moderator. The panelists addressed beliefs about race, gender, equality, and opportunity and debated whether affirma-

tive action is an essential policy tool for ameliorating the damage of legal slavery and segregation or a racial and gender spoils system that is unnecessary and divisive.

Through its new Environmental Change and Security project, the center is playing an important role in addressing the international ramifications of environmental degradation. Workshops and seminars focused on the relationship between environmental degradation and violent conflict; the environmental consequences of war; environmental assistance to developing countries; and international perspectives on how the environment affects security.

Anthony Lake, the president's national security adviser and a trustee of the center, defended U.S. foreign aid policies in a speech at the National Press Club, given under the center's auspices.

Speakers in a new series on international financial issues addressed recent exchange rate crises and the lessons of currency and sovereign liquidity problems. The series analyzed current proposals to moderate or prevent international financial crises.

The center is unique among research centers in bringing together academics, policy makers, and journalists to benefit from and contribute to the continuing dialogue between public affairs and scholarship. Academic participants during the past year included Russian economist Lilia Shevtsova; Roger Louis, general editor of the *Oxford History of the British Empire*; Years scholar Helen Vendler; and literary theorist Geoffrey Hartmann. Fellows participating from outside the academic community included Anatoly Dobrynin, former ambassador from the Soviet Union to the United States; author and feminist Betty Friedan; Japanese journalist Susumu Awanohara; French diplomat and journalist Eric Rouleau; counselor to the secretary of defense Larry K. Smith; and journalists E. J. Dionne, John J. Fialka, Elizabeth Pond, and Juan Williams.

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Museum	Oct 94	Nov 94	Dec 94	Jan 95	Feb 95	Mar 95	Apr 95	May 95	Jun 95	Jul 95	Aug 95	Sep 95	Total
AM	4609	4850	3172	3398	4975	4116	4131	37691	42981	5628	4791	2294	50031
SACKLER	16653	16006	14076	12793	11311	18700	19299	18349	15292	23879	18589	13880	198827
A&I	78191	63202	56896	33999	41697	74397	109419	83945	88889	127546	95098	63748	917027
C-H	7416	6947	7303	4818	4765	6879	8704	8162	10646	11313	9181	2939	89073
FREER	30851	24836	20597	14452	18941	28800	41290	41133	46388	61996	70102	44708	444090
HMSG	66680	58109	47120	44069	32366	70422	87106	78033	80010	85081	80260	80179	809435
NASM	548762	468560	347322	272691	339264	706783	1066490	928965	937371	1187086	971784	522395	8297873
NMAI/A	22090	20470	15020	12364	17631	24455	29080	31630	33785	42660	38239	19958	307382
NMAA	18258	18478	14158	13941	20885	15273	17466	20443	19779	20479	26091	14270	219521
NMAH	275377	295094	215339	133709	203592	412881	721520	605242	532637	638636	514698	279353	4828078
NMNH	396393	403615	299856	218444	244093	531607	756631	718310	654830	719166	573722	326320	5842987
NMAI	3268	33914	31819	24853	22060	27323	32116	29377	23703	35197	30716	27239	321585
NPG	14853	12851	10977	9204	11854	15255	18914	17377	18833	19619	17713	13287	180373
NPM	29364	26475	26371	23895	24259	33065	38691	33241	34269	40217	35277	35918	381042
RG	9330	9889	9143	6945	5279	10515	16000	10974	9378	8225	9672	11716	117066
RC	14314	15405	9835	10611	8726	13424	13472	13691	12667	17725	14311	9773	153954
SH	1016	971	584	505	1485	876	2789	929	645	2213	701	880	13594
SI	143895	99174	79727	55133	62804	138083	244879	177376	188581	257572	185777	110168	1743169
Total	1681120	579246	1209311	895824	1075987	2132854	3227997	2820946	2712001	3304238	2696722	1579025	24915471

*Abbreviations:* AM, Anacostia Museum; SACKLER, Arthur M. Sackler Gallery; A&I, Arts and Industries Building; C-H, Cooper-Hewitt, National Museum of Design; FREER, Freer Gallery of Art; HMSG, Hirshhorn Museum and Sculpture Garden; NASM, National Air and Space Museum; NMAI/A, National Museum of African Art; NMAA, National Museum of American Art; NMAH, National Museum of American History; NMNH, National Museum of Natural History; NMAI, National Museum of the American Indian; NPG, National Portrait Gallery; NPM, National Postal Museum; RG, Renwick Gallery; RC, S. Dillon Ripley Center; SH, Silver Hill Storage Facility; SI, Smithsonian Institution Building (Castle).

## Notes:

The estimated number of visitors to the National Zoological Park is 3,000,000. (The very nature of the Park with its indoor and outdoor exhibits and its several pedestrian and vehicular entrances makes it impossible to obtain exact visitor statistics. To overcome this difficulty the Zoo has developed a reliable sampling system which was used to determine this fiscal year 1995 estimate.)

# Academic, Research Training, and Internship Appointments and Research Associates in Fiscal Year 1995

The first section lists recipients of fellowships and other appointments awarded to scholars and advanced students under the auspices of the Office of Fellowships and Grants. Students and museum professionals who held museum internships or participated in special projects administered by the Office of Museum Programs are listed in the second section. The third section contains a listing of Smithsonian Research Associates.

## Academic and Research Training Appointments

The Smithsonian offers, through the Office of Fellowships and Grants, research and study appointments to visiting scientists, scholars, and students. The appointees are provided access to the Institution's facilities, staff specialties, and reference resources. The persons—listed by bureau or office—in this Appendix began their residencies between October 1, 1994, and September 30, 1995, and have been in residence for three months or longer. Predoctoral and Postdoctoral Fellows, Visiting Scientists or Scholars, and other awardees and participants in special programs are so listed. Listed for each Fellow or Visitor is the institution where each received, or expects to receive, a degree or the home university or institution; a brief description of the project undertaken at the Smithsonian; the Smithsonian advisor; and dates of residency.

## Arts and Humanities

### *Anacostia Museum*

Audrey Brown, SI Graduate Fellow, American University.  
"Women of African Descent, Religion, Cultural Continuity and Change," with Portia James and Gail Lowe, from September 1, 1995 to November 15, 1995.

### *Center for Museum Studies*

Teresa Morales, Fellow in Museum Practice, Programa de Museos Comunitarios y Ecomu. "The Cultural Appropriation and Community Museums," with Nancy Fuller, from August 1, 1995 to October 31, 1995.

### *Cooper-Hewitt, National Design Museum*

Tracy Ehrlich, Peter Kruger/Christie's Fellow, Columbia University. "The Villa Mondragone and Early Seventeenth-Century Villeggiatura at Frascati," with Marilyn Symmes and Maria Ann Conelli, from September 1, 1995 to May 31, 1996.

Enrique Limon, SI Graduate Fellow, The Architectural Association. "Art Theory and Urbanism and its Relationship to City Making," with Susan Yelavich, from August 1, 1995 to October 15, 1995.

### *Freer Gallery of Art*

Quanyu Wang, Forbes Fellow, Peking University. "Systematic Research on the Corrosion of Qucun's Bronzes," with W. Thomas Chase, from September 1, 1995 to August 31, 1996.

### *Hirshhorn Museum and Sculpture Garden*

Marisa Kayyem, SI Predoctoral Fellow, Columbia University. "Thomas Eakins' Late Bust Portraits: Identity and Topology in Turn of the Century Portraiture," with Phyllis

Rosenzweig and Mary Panzer, from September 1, 1995 to August 31, 1996.

## *Institutional Studies Office*

Helen Glazer, Fellow in Museum Practice, Goucher College. "Creation and Test of a Prototype for a Self-Guided Walking Tour of Works in the Permanent Collections of the Smithsonian Institution Museums," with Zahava Doering, from November 14, 1994 to July 15, 1995.

## *National African American Museum Project*

Bob Myers, SI Predoctoral Fellow, University of California, Los Angeles. "Do You See What I See?: Wild Communication in Darkness," with Deborah Braithwaite and Claudine Brown, from July 1, 1995 to September 30, 1995.

## *National Air and Space Museum*

Mark Bulmer, Gaber Fellow, University of London. "An Investigation into the Possible Reasons for Apparent Mobility of Debris Aprons on Venus and the Mechanisms of Caldera Formation," with Thomas Watters, from June 1, 1995 to May 31, 1996.

Donald Engen, Ramsey Fellow, Alexandria, Virginia. "The History of United States Naval Flight," with Thomas Crouch, from January 1, 1995 to December 31, 1995.

Sarah Fagents, Lancaster University, England. "Basaltic Lava Fountains on Earth, Venus, and Mars," with James Zimbelman, from January 20, 1995 to January 19, 1996.

Erik Rau, Guggenheim Predoctoral Fellow, University of Pennsylvania. "PERT and the Culture of Integration: Operations Research, Systems Engineering, and American Society from the Cold War to the Great Society," with Robert Smith, from September 1, 1995 to August 31, 1996.

Jill Snider, Verville Fellow, University of North Carolina. "The Lone Eagle and African-American Visions of America, 1927-1941," with Dominick Pisano and Cathleen Lewis, from August 1, 1995 to July 31, 1996.

Vladimir Strel'nitski, Visiting Scientist, Institute for Astronomy, Russian Academy of Sciences. "Hydrogen Maser Emission from the Infrared Galaxy M82," with Howard Smith, from June 1, 1995 to September 30, 1995.

Mark Wolfire, Senior Research Fellow, NASA. "Infrared Emission from ISO," with Howard Smith, from September 11, 1995 to September 10, 1996.

## *National Museum of African Art*

Aisha Fadhil Ali, International Exchange Fellow, Fort Jesus Museum. "Study of Exhibition Development and Design in Preparation for a Re-Installation of the Major Exhibition Hall at Fort Jesus Museum in Mombasa, Kenya," with Philip Ravenhill, from January 15, 1995 to March 10, 1995.

Amanda Carlson, SI Graduate Fellow, Indiana University. "Object Photography: Representing African Art," with Christraud Geary, from May 8, 1995 to July 14, 1995.

Helen Shannon, Columbia University. "The Reception of African Art in the United States From 1905 to 1945 and Its Influence on American Modernist Art," with Philip Ravenhill, from April 1, 1995 to February 28, 1996.

## *National Museum of American Art*

Jack Becker, SI Predoctoral Fellow, University of Delaware. "A Taste for Landscape: Tonalism in America, 1880-1920," with William Truettner, from September 1, 1995 to May 31, 1996.

Neil Harris, Distinguished Scholar of American Art, University of Chicago. "Research on Twentieth Century Landscape; Attitudes Toward Visual Culture; and Building Rituals, Museums, and Newspaper Buildings," with Elizabeth Broun, from September 1, 1995 to May 31, 1996.

Janet Headley, Loyola College. "Structuring Urban Space: Public Sculpture in Boston, 1825-1900," with George Gurney, from June 1, 1995 to May 31, 1996.

Cynthia Mills, University of Maryland, College Park. "The Adams Memorial and Its Impact: American Funerary Sculpture, 1891-1925," with George Gurney, from November 1, 1994 to April 30, 1995.

Jonathan Yorba, SI Predoctoral Fellow, University of California, Berkeley. "Picturing Miscegenation: Multiracial Imagery in American Art, 1848-1967," with Andrew Connors, from September 11, 1995 to September 10, 1996.

## *National Museum of American History*

Barbara Allen, SI Graduate Fellow, Rensselaer Polytechnic Institute. "Environmental History of the Chemical Corridor



in Louisiana," with Jeffrey Stine, from July 17, 1995 to September 22, 1995.

Angela Blake, SI Graduate Fellow, American University. "Street Advertising and the Construction of Urban Consumer Geographies in New York City, 1880-1930," with Charles McGovern, from June 5, 1995 to August 11, 1995.

Martha Burns, SI Predoctoral Fellow, Brown University. "A Piano in the Parlor: Music and the Making of Victorian Culture in America, 1790-1860," with Cynthia Hoover, from September 1, 1995 to May 31, 1996.

Valentijn Byvanck, SI Graduate Fellow, New York University. "The Making of American Nationalism, 1820-1860," with Charles McGovern and Larry Bird, from June 15, 1995 to July 15, 1995.

Arlene Davila, The Graduate Center, CUNY, "From the Center to the Centros: Dynamics of Cultural Politics in Puerto Rico," with Marvette Perez, from April 15, 1995 to April 14, 1996.

Laura Edwards, University of South Florida, "The Politics and Power of Womanhood and Manhood: Reconstruction in the U.S. South," with Pete Daniel, from February 1, 1995 to October 31, 1995.

Sungook Hong, University of Toronto, "Research on the Early History of Vacuum Tube Engineering: The Triode Revolution and the Development of Amplifiers-Oscillators," with Bernard Finn, from June 1, 1995 to May 31, 1996.

Janet Hutchison, Visiting Scholar, Appalachian State University. "Housing Identity: Gender, Architecture and American Culture," with Rodris Roth, from January 1, 1994 to August 30, 1995.

Meg Jacobs, SI Predoctoral Fellow, University of Virginia. "The Politics of Purchasing Power: The Rise of Mass Consumption and the Evolution of a Modern American Political Economy, 1919-1959," with Harry Rubenstein and Larry Bird, from September 1, 1995 to August 31, 1996.

Shelley Kaplan, SI Predoctoral Fellow, University of Virginia. "Object Lessons: Designing Household Appliances, 1920-60," with Steve Lubar, from September 15, 1995 to September 14, 1996.

Craig Keller, SI Predoctoral Fellow, George Washington University. "Civil Religion During the Cold War: A Study of Civil Religious Symbolism and Material Culture," with Larry Bird and James Bruns, from June 1, 1995 to August 31, 1995.

Anna McCarthy, Northwestern University, "Early American Television and Public Space: The Tavern and the Department Store in the Late Forties," with Larry Bird, from January 10, 1995 to April 10, 1995.

Lynn McRainey, Fellow in Museum Practice, Chicago Historical Society. "Interpreting History Through Interactive Experiences," with Lonny Taylor and Nancy McCoy, from October 21, 1994 to February 28, 1995.

Tey Nunn, SI Graduate Fellow, University of New Mexico. "Hispana/o Artists of the Works Progress Administration (WPA) in New Mexico," with Richard Ahlborn, from June 1, 1995 to August 10, 1995.

Barry Shank, University of Kansas, "Design and Sentiment: Cultural Production in the American Greeting Card Industry," with Charles McGovern, from January 15, 1995 to July 14, 1995.

Deborah Steinbach, SI Predoctoral Fellow, New York University. "Lines of Scrimmage: A Gender History of American Sports 1915-1940," with Ellen Hughes, from June 15, 1995 to June 14, 1996.

Stefan Timmermans, SI Postdoctoral Fellow, University of Illinois. "Saving Lives: Mechanical Versus Manual Resuscitation Techniques," with Ramunas Kondratas, from June 1, 1995 to August 31, 1995.

Terence Young, SI Postdoctoral Fellow, Clemson University. "Heading Out: Camping in America, 1870-1990," with Jeffrey Stine, from August 1, 1995 to July 31, 1996.

## *National Museum of the American Indian*

Nigel Holman, Fellow in Museum Practice, A:shiwi A:wan Museum & Heritage Center. "Debating the Curation and Use of Historic Photographs in Museums and Archives," with Clara Sue Kidwell and Eulalie Bonar, from March 1, 1995 to May 30, 1995.

Emily Kaplan, Postgraduate Conservation Fellow, Queen's University, Canada. "Conservation of Archaeological and Ethnographic Materials," with Marian A. Kaminitz, from November 1, 1994 to October 31, 1995.

Rose Wyaco, Visiting Scholar, Zuni, New Mexico. "Photographs for the Hedricks-Hodge Expedition at Hawikuh," with Alyce Sadongei, from March 1, 1995 to May 31, 1995.

## *National Portrait Gallery*

Julie Brown, SI Senior Fellow, University of Texas, San Antonio. "Making Photography Public: Exposition, Fairs, Exhibitions, and Displays in the United States," with Mary Panzer and Deborah Warner, from June 19, 1995 to October 20, 1995.

Stephanie Cassidy, SI Predoctoral Fellow, University of California, San Diego. "Reconstructing the Artist: The Rise of the Art Students League, 1875-1915," with Lillian Miller, from September 1, 1995 to August 30, 1996.

## Education and Public Service

### *Center for Folklife Programs and Cultural Studies*

Gina Sanchez, SI Graduate Fellow, University of Texas. "Diversifying Cape Verdan American Scholarship," with John Franklin and Raymond Almeida, from June 1, 1995 to August 20, 1995.

Wendy Walters, SI Graduate Fellow, Cornell University. "Labor's Lost and Other Sad Songs: Dislocation and Disposition in the Blues," with Anthony Seeger and Diana Barid N'Diaye, from May 22, 1995 to July 28, 1995.

## Finance and Administration

### *Horticultural Services Division*

Judy Wells, Enid A. Haupt Fellow in Horticulture, University of Maryland. "Pest Management in the Haupt Garden; Developing and Implementing an Integrated Management Program," with Nancy J. Bechtol, from June 1, 1995 to May 31, 1997.

## Sciences

### *Conservation Analytical Laboratory*

Patrick Albert, Conservation Internship, Antioch University, Canada. "Literature Search on Shellac Based Period Furniture Varnishes," with Donald Williams, from June 12, 1995 to June 11, 1996.

Holly Anderson, CAL Third Year Intern, Buffalo State College. "Scientific and Historic Research in the Use of Red Chalk in Drawings," with Diane van der Reyden, from October 2, 1994 to September 2, 1995.

John Courtney, Conservation Internship, Antioch University, Canada. "A Survey of Gilt Stenciling on Philadelphia Furniture," with Donald Williams, from June 15, 1995 to June 14, 1996.

Paul Koenig, Graduate Fellow in Furniture Conservation, Antioch University. "Study of the Relationship Between 'Original' Coating and Barrier Coats with Synthetic Polymers on Furniture," with Melvin Wachowiak, from September 1, 1995 to August 30, 1996.

Mark Kutney, Graduate Fellow in Furniture Conservation, Antioch University. "Study of the Affects of the Manufacturing Process on Shellacs Performance as a Furniture Coating," with Melvin Wachowiak, from September 1, 1995 to August 30, 1996.

Catherine McGee, Postgraduate Conservation Intern, University of Delaware. "Archaeological Conservation Training," with Carol Grissom, from September 4, 1995 to September 3, 1996.

Charles Moore, Graduate Fellow in Furniture Conservation, Antioch University. "Identification and Study of Materials Used to Emulate Gold Leaf in High-Style Architectural Elements from 1880-1920," with Melvin Wachowiak, from September 1, 1995 to August 30, 1996.

Andrew Robb, University of Delaware, "Investigation of the Consolidation of Flaking Gelatin Binder on Glass Plate Negatives; The Investigation of Exhibition on Photographs," with Diane van der Reyden, from October 17, 1994 to October 16, 1995.

Ellen Rosenthal, Post-graduate Fellow, Archaeological Conservation, University of London. "Archaeological Conservation Training," with Carol Grissom, from September 1, 1995 to August 30, 1996.

Daniela Triadan, Postdoctoral Fellow, Freie Universitat, Berlin. "Provenance and Production of White Mountain Redware from Kinishba Pueblo, East-central Arizona," with Ronald Bishop, from September 1, 1995 to August 31, 1996.

### *National Museum of Natural History*

Debra Bemis, SI Graduate Fellow, University of California, Santa Barbara. "Characterization of the Enzymatic Oxidation of Polyunsaturated Fatty Acids in an Isolated Chloroplast Fraction from *Anadyomene stellata*," with James Norris, from June 1, 1995 to August 15, 1995.

Cynthia Caplen, Mellon Visiting Student, Old Dominion University. "Genetic Relationships in the *Blechnum Occidentale* Group," with Charles Werth and W. John Kress, from January 1, 1995 to July 1, 1995.

Joseph Dineen, University of Maryland, College Park, "Transport of Brachyuran Larvae in a Coastal Lagoon," with Anson Hines, from October 1, 1994 to April 30, 1995.

Don Dumond, University of Oregon, "Archaeology of the Hillside Site, St. Lawrence Island, Alaska," with William Fitzhugh, from January 16, 1995 to May 15, 1995.

Michael Dillon, Field Museum of Natural History, "Generic Flora of the Paramos," with Laurence Dorr, from November 1, 1994 to November 30, 1994.

- Patricia Erikson, University of California, Davis, "The Role of the Smithsonian Institution in the Professionalization of Tribal Museology," with William Merrill, from January 1, 1995 to March 21, 1995.
- Jennifer Frick, SI Postdoctoral Fellow, Clemson University. "Establishment of Larval Polarity," with Mary Rice, from September 1, 1995 to August 31, 1996.
- Debra Gold, SI Predoctoral Fellow, University of Michigan. "Subsistence, Health and Emergent Social Inequality: Osteological Analysis of Three Late Woodland Sites in Interior Virginia," with Douglas Ubelaker, from August 15, 1995 to June 15, 1996.
- William Hahn, Visiting Scientist, University of Wisconsin, Madison. "Molecular Phylogenetics of the Monocots," with Elizabeth Zimmer, from July 1, 1995 to November 1, 1995.
- Gregory Kallemeyn, SI Senior Fellow, University of California, Los Angeles. "Compositions of Chondrites," with Eugene Jarosewich, from September 1, 1995 to November 30, 1995.
- Eija-Maija Kotilainen, Academy of Finland, "Gender and Material Culture in Central Sulawesi, Indonesia," with Paul Taylor, from January 1, 1995 to June 30, 1995.
- Marion Kotrba, SI Postdoctoral Fellow, University of Regensburg, Germany. "Comparative Morphology of the Internal Female Reproductive Tract: A Contribution to our Understanding of Schizophoran (Diptera) Phylogeny," with Wayne Mathis, from July 1, 1995 to June 30, 1996.
- Paul Kramer, SI Predoctoral Fellow, Princeton University. "U.S. Anthropology in the Occupied Philippines, 1899–1914," with Paul Taylor and Charles McGovern, from September 1, 1995 to June 30, 1996.
- Robert Kuzoff, Visiting Student, Washington State University. "Molecular Phylogenetics of Plants: New Approaches for Studies of Molecular and Morphological Divergence," with Elizabeth Zimmer, from January 15, 1995 to June 30, 1995.
- Paul Lewis, North Carolina State University, "Robustness of Maximum Likelihood Phylogeny Inference to Departures From Model Assumptions," with David Swofford, from November 1, 1994 to October 31, 1995.
- Leigh Johnson, Visiting Student, Washington State University. "Molecular Phylogenetics of Plants: New Approaches for Studies of Molecular Divergence," with Elizabeth Zimmer, from January 15, 1995 to June 30, 1996.
- Mary Muungu, Visiting Museum Professional, National Museums of Kenya. "Study of Conservation and Collections Policy at the National Museum of Natural History," with Richard Potts, from April 30, 1995 to June 30, 1995.
- Sandra Romano, Kewalo Marine Laboratory, "Molecular Analysis of Phylogenetic relationships of Families of Corals (Phylum Cnidaria, Order Scleractinia)," with Stephen Cairns and Michael Braun, from April 20, 1995 to April 19, 1996.
- Tod Reeder, American Museum of Natural History, "The Use of Multiple Data Sets in Phylogenetic Analysis and the Phylogenetic Placement of the Limbless Squamates," with Kevin de Queiroz, from November 14, 1994 to November 13, 1995.
- Stephen Reyes, Snow Entomological Museum, "Cladistic Analysis and a Study of the Evolution of Social Behavior of the Exoneura Bees (Apidae: Xylocopinae Allodapini)," with Ronald McGinley, from January 1, 1995 to December 31, 1995.
- Sara Russell, Visiting Scientist, California Institute of Technology. "The Distribution of <sup>26</sup>Al in Early Solar System: Constraints on Solar System Chronology," with Glenn MacPherson, from February 1, 1995 to January 31, 1996.
- Gregory Scheib, Visiting Student, George Washington University. "Associating Archival Information with Museum Collections Using CD-ROMs and Virtual Museums," with Paul Taylor and Bruno Frohlich, from June 26, 1995 to January 5, 1996.
- John Skillman, Visiting Scientist, Duke University. "Consequences of Seasonal Changes in Light and Water Resources for Photosynthetic Physiology and Plant Productivity in *Aechmea magdalenae*, a CAM Species Native to the Rain-forest Floor in Panama," with Klaus Winter, from October 1, 1994 to September 30, 1995.
- Scott Steppan, SI Postdoctoral Fellow, University of Chicago. "Development Constraints and Tail Evolution in Mammals," with Michael Carleton and Richard Thorington, from October 15, 1995 to October 14, 1996.
- Ljubov Tjukova, Visiting Scientist, Institute of Zoology. "Systematic Studies of the Fossil Rodents and Lagomorphs from the Tertiary Deposits of the Zaysan Basin in North-eastern Kazakhstan," with Robert Emry, from January 1, 1995 to May 31, 1995.
- Lucy Thomason, SI Predoctoral Fellow, University of Texas, Austin. "An Investigation of Discourse Structure in Fox," with Ives Goddard, from August 10, 1995 to August 9, 1996.
- Christopher Tudge, SI Postdoctoral Fellow, University of Queensland. "Phylogeny of Anomuran Crustaceans (Decapoda) Based on the Gross Morphology and Ultrastructure of Spermatophores and Spermatozoa," with Rafael Lemaitre, from September 1, 1995 to August 31, 1996.
- Peter Wagner, SI Postdoctoral Fellow, University of Chicago. "Phylogenetic and Morphometric Analysis of Paleozoic Gastropods," with Douglas Erwin, from September 1, 1995 to August 31, 1996.
- Banyue Wang, Visiting Scholar, Academia Sinica. "Comparison of the Small Rodents found in Kazakhstan to Rodents of a Similar Age found in China," with Robert Emry, from March 1, 1995 to May 1, 1995.
- Jill Weber, SI Graduate Fellow, University of Pennsylvania. "Animal Exploitation at 3rd/2nd Millennium Tell-es-Sweyhat," with Melinda Zeder, from September 18, 1995 to November 24, 1995.
- Charles Werth, Mellon Senior Fellow, Texas Tech University. "Genetic Relationships in the *Blechnum Occidentale*

- Group, A Neotropical Hybrid/Polyploid Species Complex of Ferns," with John Kress, from January 1, 1995 to June 30, 1995.
- Matthew Wills, University of Bristol, "Phylogeny and Morphological Disparity of Fossil and Recent Crustacea," with Douglas Erwin and Conrad Labandeira, from January 10, 1995 to January 9, 1996.
- Liling Xiang, Visiting Student, Beijing Natural History Museum. "Genetic Relationships in the *Blechnum Occidentale* Group," with Charles Werth and John Kress, from January 15, 1995 to May 14, 1995.
- Jin Yugan, Visiting Scientist, Academia Sinica. "End-Permian Mass Extinction," with Douglas Erwin, from September 3, 1995 to October 17, 1995.
- Jutta Zipfel, "Origin of Olivine in Pallasitic Meteorites: Evidence from Trace Elements in Olivine," with Glenn MacPherson, from October 1, 1994 to September 30, 1995.

## *National Zoological Park*

- Janette Boughman, SI Predoctoral Fellow, University of Maryland. "Group Recognition, Vocal Learning and Information Transfer in a Group-Foraging Bat, *Phyllostomus hastatus*," with Eugene Morton, from June 1, 1995 to May 31, 1996.
- Kathy Carlstead, Visiting Scientist, Takoma Park, Maryland. "Methods of Behavioral Assessment for the Captive Propagation of Endangered Species," with Devra Kleiman, from January 1, 1995 to March 31, 1995.
- Adriana Grativol, Visiting Student, University of Maryland, College Park. "Population Genetics and Evolution of the Genus *Leontopithecus*," with Robert Fleischer, from September 1, 1995 to August 30, 1996.
- Matthew Hamilton, SI Postdoctoral Fellow, Brown University. "The Influence of Forest Reserve Size on Standing Genetic Variation and Paternity Pool Diversity in Tropical Forest Plants," with Robert Fleischer, from September 15, 1995 to September 14, 1996.
- Thomas Hildebrandt, Short Term Visitor, Institut für Zoo- und Wildtierforschung. "An Examination of Various Animal Species Using Ultrasonic," with Dick Montali, from July 1, 1995 to January 30, 1996.
- Peter Leimgruber, Visiting Student, University of Oklahoma. "Abundance and Diversity of Songbirds and Small Mammals in Managed Forest Mosaics," with William McShea, from May 15, 1995 to August 15, 1995.
- Catherine Morrow, Visiting Student, George Mason University. "Understanding Reproductive Mechanisms to Conserve the Endangered Scimitar-Horned Oryx (*Oryx dammah*)," with Steven Monfort, from May 1, 1985 to July 31, 1997.
- Linda Penfold, Visiting Scientist, United States Department of Agriculture. "Crisis in Parrot Conservation: The Potential of 'Assisted' Breeding," with David Wildt, from July 1, 1995 to June 30, 1996.

- Ellen Paxinos, SI Predoctoral Fellow, Brown University. "Using Ancient DNA Techniques to Determine the Effects of a Population Bottleneck on Genetic Variability and Population Structure in the Hawaiian Goose," with Robert Fleischer, from August 15, 1995 to August 14, 1996.
- Jay Schulkin, Visiting Scientist, National Institute of Mental Health. "Self-Selection of Minerals in the Desert Tortoise (*Gopherus Agassizii*)," with Olav Oftedal, from April 1, 1995 to September 30, 1995.
- Michael Schwartz, SI Graduate Fellow, American University. "An Examination of the Breeding Biology of the Humboldt Penguin Using Molecular Genetic Techniques," with Daryl Boness, from June 19, 1995 to August 25, 1995.
- Daniel Shillito, SI Graduate Fellow, State University of New York, Albany. "Attribution of False Knowledge States in Orangutans," with Benjamin Beck, from June 1, 1995 to August 10, 1995.
- Katerina Thompson, Visiting Scientist, University of Maryland, College Park. "Olfactory Control of Reproduction in Female Sable Antelope: Behavioral and Physiological Mechanisms of Estrous Synchrony," with Christen Wemmer, from June 1, 1995 to August 31, 1995.
- Lisa Wooninck, University of California, Santa Barbara, "Measurements of Relative Sperm Contribution Correlated with Distribution of Paternity in an External Fertilizing Species," with Robert Fleischer, from January 2, 1995 to March 10, 1995.

## *Office of Smithsonian Institution Archives*

- Hae-Gyung Geong, SI Predoctoral Fellow, University of Wisconsin, Madison. "Exerting Control: Biology and Bureaucracy in the Development of American Entomology, 1870-1930," with Pamela Henson, from August 15, 1995 to April 14, 1996.
- Elizabeth Hanson, SI Predoctoral Fellow, University of Pennsylvania. "American Zoos: A Cultural History," with Pamela Henson, from September 15, 1995 to March 15, 1996.
- Joseph Taylor, SI Predoctoral Fellow, University of Washington. "Making Salmon: Transcontinental Discourse in Fish Culture, 1870-1941," with Pamela Henson, from June 15, 1995 to September 14, 1995.

## *Smithsonian Astrophysical Observatory*

- Joao Alves, Visiting Student, University of Lisbon. "A Study of the Clustering Properties of Young Stars and its Relation to Dense Molecular Cloud Cores," with Charles Lada, from February 6, 1995 to February 5, 1996.

- MinQi Bao, Visiting Student, University of Nebraska. "Multi-photon Detachment (MPD) of Negative Ions in a Static Electric Field," with Eric Heller, from August 28, 1995 to November 30, 1995.
- Cesar Briceno, Predoctoral Fellowship, Universidad Central de Venezuela. "Search for Very Low Mass Pre-Main Sequence Stars in Nearby Star Forming Regions," with Lee Hartman, from September 1, 1995 to August 31, 1996.
- Patrick Boyle, Visiting Student, University College, Dublin. "Extracting the Spectra of TeV X-Ray Sources and Electronic/Optical Upgrading of the 10 meter Reflector," with Trevor Weekes, from September 1, 1995 to December 31, 1995.
- Nuria Calvet, Visiting Scientist, Centro de Investigaciones de Astronomia. "Infalling Envelopes; Magnetospheres in T Tauri Stars; Near Infrared Bands of CO from Accretion Disks," with Lee Hartmann, from March 1, 1995 to August 31, 1996.
- Ming-Tang Chen, Visiting Scientist, Academia Sinica, Taipei. "Engineering and Operation of the Ongoing Sub-MM Array Project," with Paul Ho, from July 1, 1995 to December 31, 1995.
- Junfeng Chen, Short Term Visitor, Shanghai Jiao-Tong University. "Calculations of Energy Transfer in the Elastic Collisions of Fast Nitrogen and Oxygen Atoms," with Alexander Dalgarno, from October 1, 1994 to December 31, 1994.
- Eduardo Hector Colombo, Visiting Student, Buenos Aires University. "Observation of AE Aq1 and PSR1752 with the use of the Whipple 10m Gamma-Ray Telescope," with Trevor Weekes, from July 12, 1995 to October 15, 1995.
- Valerie Connaughton, Visiting Student, University College, Ireland. "Search for Gamma-Ray Bursts in the 10m Reflector Data-Base," with Trevor Weekes, from March 15, 1995 to June 15, 1995.
- Manuel Ruiz Delgado, Visiting Student, Universidad Politecnica de Madrid. "Dynamics of Multi-Probe Tethered Satellites Deployed into the Relatively Dense Layers of the Earth's Atmosphere," with Enrico Lorenzini, from July 1, 1995 to September 30, 1995.
- Antonaldo Diaferio, Visiting Scientist, University of Milano. "Investigation of Interacting Galaxies and Galaxy Merging in the Current Epoch," with Margaret Geller, from November 1, 1995 to September 30, 1996.
- Charles Gammie, Postdoctoral Fellow, Virginia Institution for Theoretical Astronomy. "Galactic Structure: How Mixed Star and Gas Disks Differ From the Single-Component Models Studied in Classical Density Wave Theory and The Magnetic Instability in Accretion Disks," with Ramesh Narayan, from February 1, 1995 to August 31, 1995.
- Jose Miguel Girart, University of Barcelona, "High Angular Resolution Radio Observations of Molecular and Herbig-Haro Outflow Regions," with Paul Ho, from October 1, 1994 to September 30, 1996.
- Mark Gurwell, Postdoctoral Fellow, California Technical Institute. "Research related to the Submillimeter Wavelength Interferometry," with Paul Ho, from September 1, 1995 to August 31, 1995.
- Lambertus Hartmann, Visiting Scientist, University of Leiden. "Use of the Clean HI Sky Maps from Data Collected with the Dwingeloo Single-Dish Radio Telescope to Instigate New CO Observations with the 1.2m Radio Telescope," with Patrick Thaddeus, from December 1, 1994 to November 30, 1995.
- Luis Ho, CfA Postdoctoral Fellow, University of California, Berkeley. "The Properties and Luminosity Function of Low-Luminosity Active Galactic Nuclei," with Mark Reid and Alan Knezevich, from August 15, 1995 to August 14, 1996.
- William Hoston, Visiting Student, Massachusetts Institute of Technology. "Study of the Bose-Einstein Condensation," with Eric Heller, from October 1, 1994 to January 31, 1995.
- Mahir Hussein, Visiting Scientist, Massachusetts Institute of Technology. "Study of Semiclassical Coupled-Channels Description of the Electron-Molecule Scattering within the Vibron Model of Diatomic Molecules," with Eric Heller, from February 1, 1995 to July 31, 1995.
- Rolf Jansen, Predoctoral Fellowship, Kapteyn Astronomical Institute. "Theories of Galaxy Evolution," with Daniel Fabricant, from September 1, 1995 to February 29, 1996.
- Vasili Kharchenko, Visiting Scientist, St. Petersburg Technical University. "Thermalization of Fast Nitrogen Atom in the High Thermosphere and NO Production by Energetic N Atoms," with Alexander Dalgarno, from January 1, 1995 to October 31, 1995.
- Richard Kiely, Visiting Student, St. Patrick's College. "Implementation and Testing of a Low-Cost Cherenkov Imaging Telescope," with Trevor Weekes, from August 12, 1995 to February 12, 1996.
- Rodney Lessard, Visiting Student, University College, Dublin. "Observations with the Whipple Telescopes Aimed at Extending the EGRET Observations on Supernova Remnants to Higher Energies," with Trevor Weekes, from May 1, 1995 to June 20, 1995.
- Chien-Nan Liu, Visiting Student, University of Nebraska. "Photodetachment of Li- Below the Li(3s) Threshold and Multiphoton Detachment of Li-," with Eric Heller, from August 28, 1995 to December 31, 1995.
- Omar Lopez-Cruz, Visiting Student, University of Toronto. "Study of History of the Intracluster Medium (ICM) and the Galaxies within the Cluster," with Christine Jones Forman, from April 1, 1995 to June 4, 1995.
- Isaac Lopez-Fernandez, Visiting Scientist, Yebes Astronomical Center. "Estimation of VLBI Observing Session, Amplitudes of Diurnal and Semidiurnal In-Phase and Out-of-Phase Radial and Horizontal Site Motions," with James Davis, from January 15, 1995 to April 15, 1995.
- Michael McCarthy, Visiting Scientist, Massachusetts Institute of Technology. "Electronic Spectroscopy of Astrophysical Carbon Chains," with Patrick Thaddeus, from August 1, 1995 to July 31, 1996.
- Julie McEnery, Visiting Student, University College Dublin. "Methods of Discriminating the Gamma-Ray Signal From

- the Background Muons," with Trevor Weekes, from January 3, 1995 to April 3, 1995.
- Brian McLeod, University of Arizona, "Evolution of Faint Field Galaxies," with John Huchra, from October 1, 1994 to September 30, 1996.
- Joan Najita, University of California, Berkeley, "Magnetocentrally Driven Winds from Rapidly Rotating Protostars," with Mark Reid, from October 15, 1994 to October 13, 1995.
- Maxim Ol'Shanii, Visiting Scientist, Ecole Normale Supérieure. "Atomic Lithography Aided by Velocity Selective Coherent Population Trapping and Atomic Beam Splitter Based on Multiple Adiabatic Population Transfer," with Eric Heller, from August 15, 1995 to August 14, 1996.
- Rachel Pildis, Postdoctoral Fellow, University of Michigan. "Deep X-Ray and Optical Observation of Compact Groups of Galaxies," with Stephen Murray, from September 1, 1995 to August 31, 1996.
- John Quinn, Visiting Student, University College, Belfield. "Observation of Whipple Telescopes Aimed at Extending the EGRET Catalog to Higher Energies," with Trevor Weekes, from October 10, 1994 to September 30, 1995.
- Alastair Rodgers, Visiting Student, University of Leeds. "Methods of Detection of Gamma-Rays Using Stereo Systems," with Trevor Weekes, from January 29, 1995 to April 28, 1995.
- Juan Ramon Sanmartin, Visiting Scientist, University Politecnica de Madrid. "Theoretical Research on the Problems Related to Propagation of Plasma Waves in the Ionosphere and Earth-Ionosphere Waveguide," with Robert Estes, from July 21, 1995 to September 2, 1995.
- Uros Seljak, CfA Postdoctoral Fellow, Massachusetts Institute of Technology. "Light Propagation in a Weakly Perturbed Expanding Universe," with Alastair G.W. Comeron, from July 1, 1995 to June 30, 1996.
- Anthony Starace, Visiting Scientist, University of Nebraska. "Electron-Atom Scattering Effects on Laser Detachment of H- in a Static Electric Field," with Eric Heller, from August 28, 1995 to January 2, 1996.
- Darian Stibbe, Visiting Student, University College, London. "Quantum Mechanical Solution to the Problem of (Large Amplitude) Nuclear Motion in Molecules and the Collision of Electrons (Positrons) With Molecules," with Eric Heller, from September 15, 1995 to June 15, 1996.
- Jonathan Tennyson, Visiting Scientist, University College, London. "Quantum Mechanical Solution to the Problem of (Large Amplitude) Nuclear Motion in Molecules and Collision of Electrons (Positrons) with Molecules," with Eric Heller, from September 15, 1995 to June 15, 1996.
- Jathindas Tharamel, Visiting Scientist, University of New Hampshire. "Relaxation Process of Nonequilibrium Systems," with Alexander Dalgarno, from January 1, 1995 to October 31, 1995.
- Anne Thorne, Visiting Scientist, Imperial College of Science, Technology and Medicine, England. "Measuring the Absorptive Absorption Cross Sections of O<sub>2</sub>S-R Bands with V' 12 by using the VUV-FT Spectrometer with Synchrotron Source at the Photon Factory, Japan," with Koshino Yoshino, from March 1, 1995 to March 31, 1995.
- Eddy Timmermans, Postdoctoral Fellow, Rice University. "Spin Holography and Quantum Statistical Effects in Resonant Photon Scattering," with Eric Heller, from September 1, 1995 to August 31, 1996.
- Ching-Hua Tseng, Visiting Scientist, Harvard University. "Investigations of a New Biomedical Diagnostic Technique: The Inhalation and Magnetic Resonance (MR) of Laser-Polarized <sup>129</sup>XE (Xenon) Gas," with Ronald Walsworth, from June 1, 1995 to October 31, 1995.
- Petri Vaisanen, Predoctoral Fellowship, Helsinki University. "Observational Cosmology in the Infrared, Doing Number Count Modelling," with Giovanni Fazio, from August 15, 1995 to August 14, 1996.
- Carl Williams, Visiting Scientist, National Institute of Standards and Technology. "Problems With Ultracold Atomic Collisions," with Eric Heller, from February 1, 1995 to May 13, 1995.
- Jennifer Wiseman, Visiting Scientist, Harvard University. "Study of Star Forming Molecular Clouds," with Pual Ho, from June 1, 1995 to August 31, 1995.

## *Smithsonian Environmental Research Center*

- Anastazia Banaszak, SI Postdoctoral Fellow, University of California, Santa Barbara. "UV Photobiology of Phytoplankton in the Rhode River, Chesapeake Bay," with Patrick Neale, from September 1, 1995 to August 31, 1996.
- Damian Barrett, Mellon Visiting Scientist, CSIRO Division of Plant Industry. "The Effects of Rising Atmospheric CO<sub>2</sub> and Climate Change," with Bert Drake, from May 1, 1995 to October 31, 1995.
- Paul Bushmann, SI Postdoctoral Fellow, Boston University. "Chemical Urine Signals, Vision, and Current Generation in the Blue Crab, *Callinectes sapidus*," with Anson Hines, from July 1, 1995 to June 30, 1996.
- Kelton Clark, SI Graduate Fellow, University of Maryland, College Park. "The Response of Prey to Variability in Predator Guild Composition and Refuge Habitat Value: An Example from the Chesapeake Bay," with Anson Hines, from June 1, 1995 to August 31, 1995.
- Ilka Feller, SI Postdoctoral Fellow, Georgetown University. "Effects of Light Levels, Gender, Mineral Nutrients, Elevated CO<sub>2</sub> on Herbivory in the Woody Deciduous Shrub, *Lindera benzoin* (L.) Blume (Lauraceae)," with James Lynch and Dennis Whigham, from August 1, 1995 to July 31, 1996.
- Jennifer Gavin, Visiting Student, University of North Carolina. "Mating Display of Male Blue Crabs: Role of a Male

- Pheromone," with Anson Hines, from June 12, 1995 to August 18, 1995.
- Roger Gifford, Mellon Senior Fellow, CSIRO Division of Plant Industry, Australia. "The Effects of Rising Atmospheric CO<sub>2</sub> and Climate Change," with Berk Drake, from February 1, 1995 to January 31, 1997.
- Miguel Gonzalez-Meler, SI Postdoctoral Fellow, University of Barcelona. "Regulation of Respiration by Atmospheric CO<sub>2</sub> Concentration," with Bert Drake, from June 15, 1995 to December 14, 1995.
- L. David Smith, University of Maryland, College Park, "Understanding Ballast-Mediated Invasions: The Effects of Transoceanic Transport and Prolonged Darkness on Planktonic Survival and Development," with Gregory Ruiz, from November 1, 1994 to October 30, 1995.

## Smithsonian Institution Libraries

- Kenneth Caneva, Dibner Library Resident Scholar, University of North Carolina. "Orsted, Colding, and the Meanings of Force in Nineteenth Century Physics," with Nancy Gwinn, from June 1, 1995 to June 30, 1995.
- Bruce Janacek, Dibner Library Resident Scholar, University of California, Davis. "Redemption and Reformation: The Religious Significance of Alchemy in Early Modern England," with Nancy Gwinn, from September 12, 1995 to December 12, 1995.
- Helen Rozwadowski, University of Pennsylvania, "Fruits of the Sea: The Literary Products of Nineteenth-Century Ocean Travel," with Ellen Wells, from February 1, 1995 to April 30, 1995.
- Steven Walton, University of Toronto, "Engineering the Body: Mechanical Beings 1600-1900," with Ellen Wells, from May 15, 1995 to August 15, 1995.

## Smithsonian Tropical Research Center

- Mitchell Allen, Visiting Student, University of Kansas. "Photosynthesis and Whole Plant Performance in the Understory at Barro Colorado Island," with S. Joseph Wright and Robert Pearcy, from July 1, 1995 to March 31, 1997.
- Nigel Asquith, SI Predoctoral Fellow, Duke University. "Abiotic and Biotic Control of Tree Regeneration: An Experimental Comparison of Sites Around Gatun Lake, Panama," with S. Joseph Wright, from February 1, 1996 to January 31, 1997.
- Henrik Balslev, Senior Mellon Fellow, Aarhus University, Denmark. "Study of the Structure and Evolution of Terres-

- trial Ecosystems," with Robin Foster, from March 1, 1995 to February 28, 1997.
- Heidi Banford, SI Graduate Fellow, College of William and Mary. "Historical Zoogeography of *Scomberomorus* (Teleostei: Scombridae) From the Atlantic and Eastern Pacific: A Molecular Approach," with Eldredge Bermingham, from September 1, 1995 to November 9, 1995.
- Mairi Best, SI Predoctoral Fellow, University of Chicago. "Taphonomy of Tropical Molluscan Assemblages: Comparative of Carbonate and Siliciclastic Marine Environments of the San Blas Archipelago Caribbean Coast of Panama," with Jeremy Jackson, from September 1, 1995 to November 30, 1995.
- Hans Bohnert, Mellon Senior Fellow, University of Arizona. "Metabolic Pathways for Assimilation of Carbon Dioxide in Vascular Plants," with Klaus Winter, from March 1, 1995 to February 28, 1997.
- David Chalcraft, SI Graduate Fellow, Virginia Polytechnic Institute. "Predation on Lizard Eggs by Ants: Interaction Modifications in an Unstable Physical Environment," with A. Stanley Rand and S. Joseph Wright, from June 1, 1995 to August 9, 1995.
- Neil Davies, Short Term Fellow, University College, London. "Islands: Phylogenetic Sinks or Engines of Evolution," with Eldredge Bermingham, from November 1, 1994 to January 31, 1995.
- Pedro Gonzalez, National Institute of Health, "Analysis of the Molecular Divergence in the Sea Urchin Geminate Species in Both Sides of the Panama Isthmus," with Harilaos Lessios, from January 6, 1995 to January 6, 1996.
- Ralph Kaemmerer, Mellon Visiting Scientist, Freie Universität, Berlin. "Metabolic Pathways for Assimilation of Carbon Dioxide in Vascular Plants," with Klaus Winter and Hans Bohnert, from September 1, 1995 to August 31, 1997.
- Roland Kays, SI Predoctoral Fellow, University of Tennessee. "Ecological Influences of Social Structure: A Study of Two Primate-Like Carnivores," with Egbert Leigh and A. Stanley Rand, from September 1, 1995 to August 31, 1996.
- Kaoru Kitajima, Visiting Scientist, University of Minnesota. "Comparative Ecology of Tree Canopies in a Tropical Dry Forest Near Panama," with Joseph Wright, from January 1, 1995 to August 31, 1995.
- Deborah Olander, SI Graduate Fellow, University of Missouri, St. Louis. "Late Second Growth Forest Light Environments: Implications for Forest Regeneration," with S. Joseph Wright, from June 10, 1995 to August 19, 1995.
- John Pandolfi, Postdoctoral Fellow, University of California, Davis. "A Comparative Analysis of Stability in Pleistocene Reef Coral Assemblages for the Caribbean and the Indo-Pacific," with Jeremy Jackson and Anthony Coates, from October 1, 1994 to September 30, 1997.
- Carla Penz, Short Term Fellow, University of Texas. "Phylogenetic Relationships among *Heliconitti* genera (Lep: Nymphalidae)," with Eldredge Bermingham, from November 1, 1994 to January 31, 1995.

Stephen Rehner, SI Postdoctoral Fellow, United States Department of Agriculture. "Molecular Phylogenetic Analysis of Attine Fungi and Neotropical Lepiotaceae," with Eldredge Bermingham, from September 1, 1995 to August 31, 1996.

Kayta Romoleroux, Visiting Scientist, Pontificia Universidad Catolica del Ecuador. "Structure and Evolution of Terrestrial Ecosystems," with Robin Foster and Henrik Balslev, from June 1, 1995 to May 31, 1997.

Gerald Urquhart, Short Term Fellow, University of Michigan. "Paleoecological Investigation of Patterns of Disturbance and Regeneration in Hurricane and Fire-Damaged Tropical Swamp Forests," with Paul Colinvaux, from February 1, 1995 to April 30, 1995.

Fernando Valladares, Mellon Visiting Scientist, University of California, Davis. "Photosynthesis and Whole Plant Performance in the Understory at Barro Colorado Island," with S. Joseph Wright, from April 20, 1995 to March 31, 1996.

Jeanne Zeh, SI Predoctoral Fellow, Rice University. "Female Promiscuity Meets Genomic Anarchy in the Hybrid Zone," with Eldredge Bermingham, from June 1, 1995 to August 31, 1995.

## Internships and Other Appointments

The Smithsonian offers internships and other special appointments to undergraduate and graduate students and to museum professionals. The interns included here began their appointments in fiscal year 1995. Those who received special awards or participated in special programs are so listed. Wherever possible the home institution, a brief description of the project undertaken at the Smithsonian, and the dates of service are given.

### *Anacostia Museum*

Michelle Black Smith, Masters Candidate, Fashion Institute of Technology. Education. Exhibition and educational programming at both the Anacostia and Motown Historical Museums as a participant in the Museum Intern Partnership Program. October 3, 1994 through April 15, 1995.

Raymond Doswell, Masters Candidate, University of California, Riverside. Working on the Black Mosaic exhibit. January 9, 1995 through March 17, 1995.

Marisa Keselica, Bachelors Candidate, Smith College. Anacostia Museum History Office "Speak to my heart" exhibit examining African-American religious experience

especially outside the mainstream protestant church. September 6, 1995 through December 22, 1995.

Deidre R. Lee, Bachelors Candidate, University of Virginia. Public Programs. Working on a traveling exhibit/video slide presentation to highlight important aspects of research/exhibits at the museum. Developing press releases for summer events. June 5, 1995 through August 11, 1995.

Jose A. Ortiz, Masters Candidate, New York University. Public Programs. Evaluating five traveling exhibitions with conservator for future circulation. Automating/cataloging exhibition by developing historical archives and assisting in audience development for Latino population. June 5, 1995 through August 18, 1995.

### *Archives of American Art*

Titus Agee, Bachelors Candidate, Rollins College. Preliminary manuscript and archival processing and arrangement. October 4, 1994 through December 23, 1994.

Genevieve Bensinger, Bachelors degree, Georgetown University. Archives of American Art. Research and Writing to prepare guides to the collections in the Archives. August 30, 1995 through December 30, 1995.

Kaira M. Cabanas, Bachelors Candidate, Duke University. Research and writing to prepare guides to the collections in the Archives. Working on a reference guide to the collections of Latino artists at the Archives of American Art. This will facilitate research on further study of Latino artists. May 22, 1995 through July 28, 1995.

Jennifer E. Ciszewski, Bachelors Degree, University of Connecticut. Research and writing to prepare guides to the collections in the Archives. October 3, 1994 through December 25, 1994.

Heather Hole, Bachelors Candidate, Smith College. Curatorial. Research and writing to prepare guides to the collections in the Archives. June 5, 1995 through September 1, 1995.

Lars D. Kokkonen, Bachelors degree, Boston University. Archives of American Art. Research and writing to prepare guides to the collections in the Archives. September 5, 1995 through December 23, 1995.

Lisa Lynch, Bachelors Degree, University of Oregon. Preliminary manuscript and archival processing and arrangement. June 5, 1995 through September 8, 1995.

Victoria McCulloch, Bachelors Degree, University of Central Lancashire. Research and writing to prepare guides to the collections in the Archives. January 5, 1995 through May 30, 1995.

Jennifer Anne Sarzynski, Bachelors Candidate, Wake Forest University. Research and writing to prepare guides to the collections in the Archives. May 8, 1995 through August 31, 1995.



Ashli White, Bachelors Degree, University of Virginia. Research and writing to prepare guides to the collections in the Archives. January 5, 1995 through May 30, 1995.

Laurel A. Williams, Bachelors Degree, Wesleyan University. Research and writing to prepare guides to the collections in the Archives. July 5, 1995 through August 1, 1995.

## *Archives of American Art/New England*

Mary Ellen Sciortino, Masters Candidate, Sinnins College. Archives of American Art, Boston. Processing papers of Peter Blume. October 1, 1994.

## *Arthur M. Sackler/Freer Gallery of Art*

Kathy Byun, Bachelors Degree, Skidmore College. Conservation science, generating a library of infrared spectra of unorganic materials to be used for reference to materials taken from works of art. June 5, 1995 through August 11, 1995.

Jacqueline Curro, Masters Candidate, University of Maryland. Library/Archives. Assist in review, update, and revision of various forms created and used in the archives and review of records policies. February 2, 1995 through May 3, 1995.

Mitchell Douglass, Bachelors Candidate, Oberlin College. Curatorial. Research Chinese furniture styles. January 3, 1995 through February 1, 1995.

Konrad Fiedler, Bachelors Candidate, Columbia College. Education Department. Arrange and preserve the early expedition records and professional papers of Carl Whiting Bishop, an associate curator at the Freer Gallery of Art from 1922 to 1942. July 5, 1995 through August 18, 1995.

Erica Henry, Bachelors Degree. Conservation. Paper conservation: rehousing, surveys, mending. September 25, 1995 through September 25, 1996.

Laura Lewis, Masters Candidate, George Washington University. Education. Modifications of the Yani Teacher Packet. January 17, 1995 through April 27, 1995.

Anne Marteyn, Masters Degree, Sorbonne University. Conservation. Study the philosophy and techniques of conservation of Asian works of art. December 1, 1994 through March 1, 1995.

Susan McCaffrey, Bachelors Candidate, George Washington University. Photography. Assist in photo lab shooting, printing and filing photos of art objects. May 12, 1995 through September 30, 1995.

Susan McCullough, Masters Candidate, Indiana University. Curatorial. Working on exhibit of Whistler. January 23, 1995 through May 15, 1995.

J. Melissa Miller, Bachelors degree. Registrar's Office. Preservation and Access Project: Freer Gallery of Art Study Collection. August 23, 1995 through December 31, 1995.

Chris Murphy, High School Graduate. Photography division. Photo lab intern; Filing, Printing, Assisting etc. August 1, 1995 through December 31, 1995.

Laura Phang, Bachelors Candidate, Amherst College. Curatorial. Updating and maintaining files on Whistler works on paper. Independent project involves exploring Whistler's connection to Asian art. June 5, 1995 through August 5, 1995.

Jacob Preminda, Doctorate, University of California-Los Angeles. Curatorial. Assisting with the development of the exhibition of "Puja: Personal Devotion in India." October 3, 1994 through January 3, 1995.

Farhad Sepambodi, Bachelors Candidate. Design. Various design work throughout the museum. March 13, 1995 through August 31, 1995.

Laura Sonjara, Bachelors Degree, University of Wisconsin. Conservation. Translate Chinese materials and study Asian painting conservation techniques. December 5, 1994 through December 5, 1995.

Helen E. Spande, Bachelors Degree, Williams College. Conservation Lab. Paper lab conservation assistant. July 10, 1995 through September 10, 1995.

Deborah Stein, Bachelors Candidate, Barnard College. Curatorial. Research on the permanent collection. Reorganization of South Asian art for the reopening of the gallery in the new space. Shadowing the curator of South Asian art. May 22, 1995 through August 1, 1995.

Alexandra Tunstall, Bachelors Candidate, Oberlin College. Chinese Art. Research assistant to Chinese Art Curator. July 24, 1995 through August 31, 1995.

## *Center for African American History and Culture*

Rachel Jean-Baptiste, Bachelors Degree, Bryn Mawr College. Les Anneaux de Memoire - co exhibit between museum in Nantes, France and several African American museums in the US on the slave trade between France and Africa in the 18th century. May 16, 1995 through July 21, 1995.

Rodney Reynolds, Bachelors Degree, Howard University. Working with curatorial and education staff to organize and implement educational programs and work with curatorial and education staff to organize and implement educational programs and packets for exhibits. October 3, 1994 through April 15, 1995.

## *Center for Folklife Programs and Cultural Studies*

- Sam Ankerson, Bachelors Degree, Yale University. Assisting and marketing of folkways materials. June 9, 1995 through August 31, 1995.
- Beth Binkley, Bachelors degree, Guilford College. The intern will be working on the upcoming Folklife festival which includes 150 years of Smithsonian workers. Continuing work of previous interns and compiling information on historical/current Smithsonian workers as well as the Smithsonian as a museum and research institution. September 9, 1995 through March 31, 1996.
- Dani Brune, Bachelors Candidate, Dartmouth College. I will be doing preliminary research for one topic of next year's Folklife Festival. My research will focus on Smithsonian workers for the past 150 years. June 19, 1995 through August 30, 1995.
- Alexa Jane Burcroff, Bachelors Candidate, Rochester Institute of Technology. Assisting with the folklife festival. June 5, 1995 through July 14, 1995.
- Christine E. Dee, Bachelors Candidate, George Washington University. Preparation and production work on the Cape Verde project, which will be a part of the 1995 Festival of American Folklife. November 14, 1994 through July 31, 1995.
- Ann Marie Denninger, Bachelors Degree, James Madison University. Assisting in the creation of a membership drive packet and assembling information for a catalogue displaying work of artisans countrywide. January 9, 1995 through February 28, 1995. Vladimir Donskoi, Bachelors Degree. Work with 1995 Festival of American Folklife Russian program. May 17, 1995 through July 3, 1995.
- Mary Faial, Bachelors Candidate, Howard University. Research, mailing, calling involved members of the Cape Verdean Community. February 6, 1995 through June 1, 1995.
- Dana Frye, Masters Candidate, The American University. Intern will put together a video and/or radio piece for the dissemination of information on the "Culture and Development" program concentrating on sustainable agriculture. July 6, 1995 through December 31, 1995.
- Catherine Hardman, Bachelors Candidate, George Mason University. Editing, filing. Research for ongoing project regarding the 1950s. Musical focus on Woody Guthrie, Pete Seeger, and rockabilly music. January 27, 1995 through August 3, 1995.
- C. Mark Hill, Bachelors Candidate, Duke University. Festival of American Folklife Cape Verde program. June 14, 1995 through February 1996.
- Anne M. Hobbs, Bachelors Degree, Salisbury State University. Assisting with participant coordination of 1995 Festival of American Folklife. June 6, 1995 through July 6, 1995.
- Sandi Horowitz, High School Student, Hillsboro High School. Czech republic for the American Folklife Festival. June 19, 1995 through July 4, 1995.
- Robert Hsiung, Bachelors Candidate, University of Hawaii at Manoa. Folklife and Culture. Assisting with the History of American folklife and culture. December 19, 1994 through January 10, 1995.
- Kristen Jackson, Bachelors Degree, Lewis and Clark College. African immigrants folklife study project to be included in the 1995 Festival of American Folklife. November 28, 1994 through June 30, 1995.
- Shawn Kline, Bachelors Degree, Indiana University of Pennsylvania. Folkways Recordings. Constituent research, developing project specific databases and coordinating media kits. December 12, 1994 through December 12, 1995.
- Katie Knoll, Bachelors Degree. Working on friends of the festival program, organization of folklife festival. June 12, 1995 through August 18, 1995.
- Peter Kornberg, Bachelors Candidate, George Washington University. 1995 Festival of American Folklife: Design production. May 2, 1995 through July 19, 1995.
- Suzanne Lettrick, Masters candidate, College of St. Rose. Education. Working on educational packets which promote knowledge of other cultures (i.e. Bahamian, Native American, etc) Also working on folklorist updates and community scholar survey results. August 7, 1995 through August 25, 1995.
- Su-Lian Li, Masters Candidate, The American University. Inventory and catalogue crafts, identifying Asian American crafts, working with archives and assisting with the Festival' Russian music program. January 23, 1995 through April 21, 1995.
- Liza K. Lopez, Bachelors Candidate, New Mexico State University. Video documentary on Latin American/Caribbean components of last year's Folklife Festival. June 5, 1995 through August 11, 1995.
- Elena Martinez, Masters Candidate, University of Oregon. Work on exhibit at Festival of America's craft traditions; assisting with production of the catalogue; working with demonstrators. June 12, 1995 through August 18, 1995.
- Mary Ellen McDermott, Masters Candidate, George Washington University. Craft traditions. May 15, 1995 through July 10, 1995.
- Emily C. McDonald, Bachelors Candidate, University of North Carolina. Organization of the Czech Republic portion of the Festival of American Folklife, especially food ways. May 21, 1995 through June 23, 1995.
- Jenna A. Moniz, Bachelors Candidate, Howard University. Helping coordinate and put together Folklife Festival. January 23, 1995 through July 31, 1995.
- Ann M. Ochsendorf, Bachelors Candidate, Wellesley College. Assisting with the folklife festival. June 5, 1995 through August 10, 1995.
- Tracy Patterson, Bachelors Degree, Clark Atlanta University. African Immigrant Folklife. Assisting with various aspects

of production leading to the Festival of American Folklife and conducting field interview with community scholars and artists to be archived and analyzed for the office. June 5, 1995 through August 18, 1995.

Sarah Padilla, Bachelors Candidate, College of William and Mary. Festival of American Folklife. Working on the Cape Verdean exhibit. June 12, 1995 through August 4, 1995.

Rebecca D. Peters, Bachelors Candidate, Yale University. Czech program for the American Folklife Festival. May 15, 1995 through August 31, 1995.

Emily Quirk, Bachelors candidate, The American University. Bibliography for Richard Kurin, the director of the Center for Folklife Programs and Cultural Studies, regarding the folklife festival regarding forthcoming festivals. September 11, 1995 through December 31, 1995.

Melanie Robinson, Bachelors Candidate, University of Pennsylvania. Assisting with the Folklife festival. May 15, 1995 through July 31, 1995.

Marcela Rossello, Bachelors Degree. Assisting with the cultural development video project. February 21, 1995 through April 30, 1995.

Joshua J. Shaw, Bachelors Candidate, Bard College. Archives. Archival work involving research and cataloging of oral traditions. October 24, 1994 through December 24, 1994.

Edward Sterret, High School Student, Chevy Chase High School. Working with folkways record on the musical archives. March 2, 1995 through June 3, 1995.

Anne E. Thomas, Bachelors Candidate, College of William and Mary. Folkways. Folkways recording and the archives; observing the production of folkways recordings and treatment of ethnomusicological issues in this context. May 22, 1995 through August 9, 1995.

Lynn M. Turtle, Masters Degree, The Johns Hopkins University. Folkways Archives. Cataloging the original tapes of Frederick Ramsey's fieldwork in the South in the 1950's and collating the results of a survey directed toward educators who use Smithsonian curriculum materials. January 10, 1995 through July 1, 1995.

Elena Williams, Bachelors Candidate, University of Arizona. Working on completion of Borders and Identity Educational Kit and planning for Talleres de la Frontera. June 5, 1995 through August 11, 1995.

Kelli E. Woodrow, Bachelors Candidate, University of Michigan. Video. Documentation of the Folklife Festival. Meet with program curators and set up a filming schedule and facilitate in the training of the festival video and volunteers. May 22, 1995 through July 12, 1995.

## *Center for Museum Studies*

Anika Bachhuber, Bachelors Candidate, George Mason University. Center for Museum Studies Intern Office. Coding

intern evaluation forms and compiling report for future surveys and assessment of Center for Museum Studies Intern Services. July 3, 1995 through August 11, 1995.

Anika Bachhuber, Bachelors Candidate, George Mason University. Cataloguing audio tapes of annual meetings of the American Association of Museums. Tapes of various "expert" panelists on subjects concerning museums. August 25, 1995 through December 31, 1995.

Don Edward Baylor Jr., Bachelors Degree. Provide courses and information that encourages cultural diversity. Helping discover innovative ways to reach across cultural boundaries in learning. October 3, 1994 through December 9, 1994.

Alexander A. Guzhalovsky, Doctorate Degree, Belarus State University. Study museum operations in the United States with special emphasis on design and education. Project work will result in development of a museum studies curriculum to be implemented at Belarusian State University. October 3, 1994 through April 1, 1995.

Maria Eduarda Castro Marques, Masters Degree, Pontificia Universidade catolica-R7. Researching methods of Development throughout the Smithsonian Institution. September 5, 1995 through November 5, 1995.

Marissa Payton, Masters Candidate, Howard University. Research potential internship sites for the Museum Intern Partnership Program; assist in developing 1996 program; including planning conference to be held at The Smithsonian Institution in fall 1995. June 19, 1995 through September 1, 1995.

Maria Venclova, Bachelors Candidate, Baldwin-Wallace College. Contacting prospective faculty participants, writing confirmation and thank you letters to participants, researching and compiling museum career info to be included in program resource books, plan program agenda, session plans. June 12, 1995 through July 31, 1995.

K. Allison Wickens, Bachelors Degree, Grinnell College. American Indian Museum Studies. Compiling a directory of people who attend American Indian workshops and collecting information to use in future workshops. December 28, 1994 through February 24, 1995.

Angela Wickham, Bachelors Degree. Grant research and assisting in the development of the 1995 Museum Leadership Seminar. February 5, 1995 through May 20, 1995.

## *Conservation Analytical Laboratory*

Holly Anderson, Masters Candidate, Buffalo State College. Paper Conservation Laboratory. October 2, 1994 through September 2, 1995.

Tania Collas, Masters Candidate, Buffalo State College. Objects Conservation. Treatment and research of objects and field experience working at archaeological sites. October 17, 1994 through September 17, 1995.

Evin Erder, Masters Degree, University of Pennsylvania. Conservation Analytical Lab. Development of an evaluation methodology for cleaning damage assessment. July 5, 1995 through September 11, 1995.

Andrea S. Morris, Bachelors Degree, University of Delaware. Conservation. June 19, 1995 through August 25, 1995.

## *Cooper-Hewitt National Design Museum*

Joao Camacho Baptista de Meireles Felia, Bachelors Candidate, Istituto Superiore Ind. Artistiche. Education. Assisting the curator with the organization of the Henry Dreyfuss exposition. July 1, 1995 through September 1, 1995.

Stephanie K. Farrell, Masters Degree, Palmer School of Library and Information Science. Library. Various projects to include working with Cooper-Hewitt Museum archives. June 12, 1995 through August 18, 1995.

Ibena Spasova Georgieva, Bachelors Candidate. The American University in Bulgaria. Exhibitions. Researching and organizing two exhibitions for 1997. One is based on a collection in honor of a centennial and the other one is an outdoor project on solar power. June 12, 1995 through August 18, 1995.

Nic Maffei, Masters Candidate, University of Delaware. Assisting the curator in organization of Henry Dreyfuss exhibit and publication. June 1, 1995 through August 18, 1995.

Paul Makovsky, Masters Degree, University of Toronto. Researching the projects "Mixing Messages" and "The Avant-Garde Letterhead." June 12, 1995 through August 18, 1995.

Beth Mangini, Bachelors Candidate, Stanford University. Education. Summer Design Institute; cross currents series; intern visits; garden party coordinator and facilitator. June 12, 1995 through August 18, 1995.

Rachael Eliza Smith, Bachelors Candidate, University of Pennsylvania. Public Information. Assisting Public Information specialist in all duties including mailing list project, building renovation dissemination project, services to the nation. June 12, 1995 through August 18, 1995.

Chaim Stadtmauer, Bachelors Degree. Membership and Special Events. Preparing a report on current membership packages from local institutions and comparing them to the Cooper-Hewitt. June 16, 1995 through August 18, 1995.

Thorin R. Tritter, Bachelors Degree, Columbia University. Public Programs. Researching information for upcoming exhibition on the North American City. June 12, 1995 through August 18, 1995.

## *Hirshhorn Museum and Sculpture Garden*

Tobey Ballenger, Bachelors Degree, Dartmouth College. Education. Education intern at the HMSG, redesigning the docent training handbook, creating and giving tours, working with the family days team on Saturday programming. June 12, 1995 through August 18, 1995.

Bridget Theresa Cecchini, Bachelors Candidate, Oglerthorpe University. Education Department. Researching information for special exhibitions including Stephan Balkenhol, keeping Bruce Nauman information organized and current, organizing information on upcoming exhibits and public programs, and researching Barbara Hepworth. October 3, 1994 through December 16, 1994.

Romy Lisa Cohen, Bachelors Degree, Duke University. Curatorial. Assisting both the sculpture and painting curators with research as well as updating general information about some of the artists who are exhibited. June 5, 1995 through August 11, 1995.

Jennifer King, Bachelors Candidate, Rice University. Publications. Working with director of publications on museum catalogs, calendar of events and other various publication intended to facilitate communication between the museum and the public. June 5, 1995 through August 11, 1995.

Marni P. Kravitz, Bachelors Candidate, Georgetown University. Education. Assisting in program development. September 29, 1995 through December 20, 1995.

Amy Louise Miller, Bachelors Candidate, Westminster College. Education. Researching artist Bruce Nauman, orientation with of departments by following docent tours and attending lectures. February 3, 1995 through April 28, 1995.

Todd E. Rosenbaum, Bachelors Candidate, Virginia Commonwealth University. Sculpture Conservation. June 5, 1995 through August 25, 1995.

Marinda Jeanne Scott, Bachelors Candidate, George Washington University. Curatorial. Assistant curatorial internship conducting research on up coming exhibitions for Spring 1995. October 6, 1994 through May 30, 1995.

Julie Wolfe, Masters Candidate, Buffalo State College. Conservation. Outdoor sculpture maintenance program. June 5, 1995 through August 25, 1995.

## *International Center*

Oscar Daniel Diaz Aguilar. International Project Development Group. Perform research and develop possible projects in Paraguay. Assisting with marketing efforts for the IPDG and researching debt information for Paraguay. February 27, 1995 through May 31, 1995.

Olga Ananina, Bachelors Candidate, Hope College. International Project Development Group. Researching and com-

- piling a document summarizing several Smithsonian projects relating to Russia. Researching and compiling a document summarizing several Smithsonian projects relating to Russia. Working with the Office of Development in securing funding sources for possible activities. Translation from Russian to English. Light administrative assistance for the Director of the IPDG. Assisting with activities relating to the Gutana Working Group. March 20, 1995 through April 27, 1995.
- Ione Anderson, Bachelors Degree, McGill University. Environmental. Producing a "family guide" for the Ocean Planet exhibition. May 22, 1995 through September 22, 1995.
- Paul Feldman, Bachelors Degree. Man and the Biosphere. Working on a user's guide to the Virgin Islands Biosphere Reserve Biodiversity Plot 02. October 3, 1994 through December 13, 1994.
- Naina Mistry, Bachelors Degree, U.C. Berkeley. Environmental Awareness. Working on materials related to the "Ocean Plant" exhibit at the Natural History Museum. May 8, 1995 through July 17, 1995.
- Sonal I. Pandya, Masters Candidate, University of Maryland. International Project Development Group. Researching and formulating proposals on various issues relating to the Guianas Ad Hoc Working Group, i.e. revenue generating alternatives to timber harvesting. Creating a list containing the debt information for various countries. Assisting with marketing efforts and possible design of A National Museum of Natural History Training Brochure. February 6, 1995 through May 22, 1995.
- Sarah Piepmeier, Bachelors Candidate, Wellesley College. Assistant to the staff coordinator, 150th anniversary community committee. Producing camera ready copy of catalog for leading community activity-the great Smithsonian giveaway. This will help implement other 150th projects. June 5, 1995 through August 8, 1995.
- Anita Van Harten, Masters Candidate, George Washington University. Environmental Awareness Program. Assisting in development and implementation of public programs and educational materials in support of the "Ocean Planet" exhibition. January 17, 1995 through May 5, 1995.

## *National Air and Space Museum*

- Ellen Alvord, Masters Degree, William and Mary. Educational Services. Research support in aviation, aerospace, environmental education, and adult education. June 12, 1995 through August 18, 1995.
- Tyrin Heather T.C. Avery, Bachelors Candidate, Wellesley College. Space History. Research support to the development of an upcoming gallery on the history of Blacks in aviation. The gallery research will entail extensive oral history interviewing, collection of personal items and background research. June 5, 1995 through August 11, 1995.
- Joy Bowman, Bachelors Candidate, West Virginia University. Educational Services. Assisting the coordinator in managing the internship program. Responsible for creating files on each student, scheduling tours and other activities relating to the program. Developing careers program in aviation. May 30, 1995 through August 11, 1995.
- Joy Bowman, Bachelors Candidate, West Virginia University. Education. Working on a project for the National Air and Space Museum Education department consisting of research into the aeronautical field. The research will be compiled into a contest to be presented to DC high school students, to get them interested in air/space. June 5, 1995 through August 11, 1995.
- David Burton, Bachelors Candidate, University of the District of Columbia. Preservation/Restoration. Restoring the "B-29" aircraft. Working on control systems, hydraulic systems, power plants, propellers, landing gears, instruments, and other aircraft or spacecraft parts, wooden and metal. June 5, 1995 through August 11, 1995.
- Joseph Caburto, Bachelors Candidate, Embry-Riddle Aeronautical University. Preservation/Restoration. Restoring and preserving aircraft engines. Working on control systems, hydraulic systems, power plants, propellers, landing gears, instruments, and other aircraft or spacecraft parts, wooden and metal. June 5, 1995 through August 11, 1995.
- Juliana E. Carpenter, Bachelors Candidate, Wittenberg University. Educational Services. Assisting program coordinator with the Summer Science Camp for approximately 120 children ages 9-12. The theme of the camp will be "Environment and You—Perfect Together." June 12, 1995 through August 18, 1995.
- Marcelo Catalan, Bachelors Candidate, Embry-Riddle Aeronautical University. Preservation/Restoration. Restoring the "Hawker Hurricane," aircraft. Working on control systems, hydraulic systems, powerplants, propellers, landing gears, instruments, and other aircraft or spacecraft parts, wooden and metal. June 5, 1995 through August 11, 1995.
- David Cremer, Bachelors Candidate, Gateway Technical College. Exhibits Production. Advanced techniques of Agfa Copy Camera, which includes producing film positive, paper copy, line art and text labels. Intern will learn about mixing of ink color, color separation, and silkscreen technique. June 5, 1995 through August 11, 1995.
- Sarah Evans, Bachelors Degree. Archives. Assisting in the preparation plan for the U.S. Air Force Pre-1943 still photographic collection, Phase II. This phase will consist of color images which appear in prints, slides and film. June 5, 1995 through August 11, 1995.
- Katherine Finch, Bachelors Candidate, Trinity College. Multicultural Outreach. Work on creating a video library from all public programs. Library will include research of biographical information, current address, phone number and a brief description of each lecture. June 5, 1995 through August 11, 1995.
- Kevin Govier, Bachelors Candidate, Prince George's Community College. Assisting in preserving and restoring a World

- War II artifact, involving learning skills regarding corrosion control and how to disassemble and reassemble the artifact upon completion of the treatment. November 21, 1994 through January 23, 1995.
- Samuel Hicks, Bachelors Candidate, George Washington University. Computer Services. Assisting in configuring and installing personal computer hardware and software, including network hardware. In addition, student will assist personal computer users to solve hardware and software problems. June 12, 1995 through August 11, 1995.
- Timothy Howard, Bachelors Candidate, Parks College of St. Louis. Restoration/Preservation. Working on the cowlings of the B-29 which entails a complete breakdown of the engine cowlings followed by a thorough cleaning and then re-assembling them. Cowlings will be attached to powerplants. January 23, 1995 through March 31, 1995.
- Peter KeKe, Bachelors Candidate, Bowie State University. Education/Exhibits. Developing, constructing and evaluating interactive devices for the "How Things Fly" gallery, which will open in 1996. The majority of the prototypes will be electro-mechanically operated. June 5, 1995 through August 11, 1995.
- Angie Kelic, Bachelors Candidate, University of Michigan. Preservation/Restoration. Restoring the "B-29" aircraft. Working on control systems, hydraulic systems, power plants, propellers, landing gears, instruments, and other aircraft or spacecraft parts, wooden and metal. June 5, 1995 through August 11, 1995.
- Ronald Kurpiers, Masters Candidate, Catholic University. Education/Library. Creating bibliographies on topics that relate to the museum's collections and exhibits. Creating an index to the Scrapbook of Early Aeronautical, which includes materials dating from 1783-1840. June 5, 1995 through August 25, 1995.
- Stephan Lisimaque, Bachelors Candidate, Florida Tech. Preservation. Restoring the "Aichi Seiran" aircraft. Working on control systems, hydraulic systems, power plants, propellers, landing gears, instruments, and other aircraft or spacecraft parts, wooden and metal. June 5, 1995 through August 11, 1995.
- Crystal G. Lovett, Bachelors Candidate, University of Illinois Urbana. Center for Earth and Planetary Studies. Analyzing and interpreting remote sensing characteristics of vegetated and non-vegetated sand accumulations in the eastern Mojave Desert of California. Working with Landsat and SPOT satellite data to discriminate sand features. June 5, 1995 through September 8, 1995.
- Erica Mestuzzi, Bachelors Candidate, New York University. Archives. Creating physical and intellectual control of incoming archival collections. Rehousing and preparing initial container lists for small collections and assisting with the technical manuals and drawings collections. June 5, 1995 through August 11, 1995.
- Heidi Oertle, Bachelors Candidate, Carleton College. Cooperative Programs. Production of an Air and Space Compendium. A catalog of information on museums which participated in the Mutual Concerns of Air and Space Museum Seminars from 1988-92. Updating and expanding the compendium. June 12, 1995 through August 18, 1995.
- Jennifer Ohgi, Bachelors Candidate, Cal Tech. Education/Exhibits. Developing, constructing and evaluating interactive devices for the "How Things Fly" gallery which will open in 1996. The majority of the prototypes will be electro-mechanically operated. June 19, 1995 through August 11, 1995.
- Nagini Paravastu, Bachelors Candidate, University of Virginia. Astrophysics. Work closely with the supervisor on infrared spectra of galaxies taken at Palomar Observatory. Intern will address data reduction problems and assist in the interpretation of the data. May 30, 1995 through August 4, 1995.
- Penelope Ramirez, Bachelors Candidate, Purdue University. Aeronautics. Assisting the curator with the production of a pamphlet on women in aviation on exhibit. This guide will be used by tourists, media, and interested parties on the subject. June 5, 1995 through August 11, 1995.
- Mounir Regragui, Bachelors Candidate, University of the District of Columbia. Education/Exhibits. Developing, constructing and evaluating interactive devices for the "How Things Fly" gallery, which will open in 1996. The majority of prototypes will be electro-mechanically operated. June 5, 1995 through August 11, 1995.
- Christopher Sands, Bachelors Candidate, Embry-Riddle Aeronautical University. Preservation/Restoration. Restoring and preserving aircraft engines. Working on control systems, hydraulic systems, power plants, propellers, landing gears, instruments, and other aircraft or spacecraft parts, wooden and metal. June 5, 1995 through August 11, 1995.
- Lolita Street, Bachelors Candidate, George Washington University. Education/Exhibits. Developing, constructing and evaluating interactive devices for the "How Things Fly" gallery, which will open in 1996. The majority of prototypes will be electro-mechanically operated. June 5, 1995 through August 11, 1995.
- Erik Thogersen, Bachelors Degree, University of Wisconsin. Education. Student will work on designing, building and testing electronic-mechanical devices for the "How Things Fly" gallery. January 30, 1995 through April 7, 1995.
- Lisa Young, Bachelors Degree, University of Wales, Cardiff. Education. Conservation intern with conservation unit. Participating in daily activities including active and preventive conservation, environmental monitoring and condition assessments. July 11, 1995 through September 2, 1995.

## *National Museum of African Art*

- Penelope J. Agodoa, Masters Candidate, University of Maryland. Curatorial. Verification and location of published images of Oluse of Ise towards the production of a catalogue. Project includes research of other artists working in the Ekiti area during the same period. June 1, 1995 through August 11, 1995.
- Susanna Aulbach, Bachelors Degree, University of Texas. Curatorial. Working on survey of the permanent collection in preparation for cataloging. Assisting curator in identifying incorrect attributions in collection and up date curatorial records and assisting in ongoing projects. January 9, 1995 through March 13, 1995.
- Andrea Bergmann, Bachelors Candidate, George Washington University. Curatorial. The intern will be engaged in library research devoted to the first Portuguese navigators and traders who explored the coasts of West, Central, Southern, and Eastern Africa in the late 1400s and early 1500s. see form for rest. September 19, 1995 through November 21, 1995.
- John R. Glavan, Bachelors Degree, Michigan State University. Library of the National Museum of African Art. The intern will serve as research assistant to the Working Group on Terminology to research and document the usage, meaning and variants of terms relevant to African Art indexing and cataloging. September 18, 1995 through November 24, 1995.
- Holly Long, Bachelors Candidate, College of William and Mary. Conservation. Will be provided a pre-program experience regarding the conservation of ethnographic art to include environmental monitoring and control, preventative maintenance and conservation technique. June 19, 1995 through August 18, 1995.
- Helen Morgan, Bachelors Degree, Art Gallery and Museum, Keltingrove. Registrar. Assist registrar with a physical inventory of the collections. This will include reconciling computer printouts of storage locations with exact locations of object in storage areas to include metal objects and textiles. March 4, 1995 through February 6, 1996.
- Pilar Quezzaire-Belle, Masters Candidate, Harvard University. Photo Archives. Research for an upcoming exhibit on raffia, a plant used in Africa for many objects, both practical and artistic. June 5, 1995 through July 11, 1995.
- Elizabeth Quinn, Bachelors Candidate, University of Wisconsin. Publications. Working with Public Affairs on updating the museum's media lists as well as being exposed to other public affairs department activities. Also assisting the Editor in the production of a wide range of museum materials. July 10, 1995 through September 22, 1995.

## *National Museum of American Art*

- Jane Carpenter, Masters Candidate, Howard University. Curatorial Office. Update bibliography and exhibition history drafts for cornell catalogue raisonne in progress. Folk art and African American art related research tasks pertaining to permanent collection holdings in these areas NMAA Advanced Museum Training Program. September 8, 1995 through April 28, 1996.
- Angela Chang. Education. NMAA Advanced Museum Training Program. September 8, 1995 through April 28, 1996.
- Ricardo Compean, Bachelors Candidate, Blackhawk College. Curatorial. Working with Curatorial office at the Museum of American Art. Translation and research on Latino Artists and Art work. July 5, 1995 through August 12, 1995.
- R. Leo Costello, The American University. Intern Programs. NMAA Advanced Museum Training Program. September 8, 1995 through April 28, 1996.
- Erica Renee Davis, Bachelors Degree. Working in curatorial division with curators on their projects. June 5, 1995 through August 11, 1995.
- Alison Field, Bachelors degree. Intern Programs. NMAA Advanced Museum Training Program. September 8, 1995 through April 28, 1996.
- Andrea Foster, Bachelors degree. Registrar's Office. NMAA Advanced Museum Training Program. Registrar/Curatorial. September 8, 1995 through April 28, 1996.
- Timothy Gately, Bachelors Candidate, University of Maryland. Assistance on all levels for upcoming museum publications. June 2, 1995 through July 28, 1995.
- Kelly Gayden, Masters Candidate, The American University. Intern Programs. NMAA Advanced Museum Training Program. September 8, 1995 through April 28, 1996.
- Shannon Holden, Bachelors Candidate, University of Texas at Austin. Work on curatorial publication and research on upcoming H.L. Sayen exhibit. June 2, 1995 through July 28, 1995.
- Janice A. Homesky, Bachelors Degree, LCO Tribe. Curatorial. Curatorial research and exhibition design as a participant in the Museum Intern Partnership Program. October 3, 1994 through April 15, 1995.
- Lori Johnson, Masters Candidate, The American University. Intern Programs. NMAA Advanced Museum Training Program. September 8, 1995 through April 28, 1996.
- Amy K. Jones. Assistance in various aspects of the NMAA registrar's office. June 5, 1995 through July 28, 1995.
- Danielle Kensey, Masters Candidate, The American University. Intern Programs. NMAA Advanced Museum Training Program. September 8, 1995 through April 28, 1996.
- Timothy Laun, Bachelors Candidate, University of Wisconsin Stevens Point. Intern Programs. Re-installation of second floor of NMAA. June 5, 1995 through July 28, 1995.

Hoojung Lee, University of Illinois at Urbana-Champaign. Registrar's Office. NMAA Advanced Training Program. September 8, 1995 through April 28, 1996.

Lisa M. Lynch, Bachelors Degree, University of Oregon. Manuscript processing, editing oral history tapes. June 5, 1995 through September 8, 1995.

Susan Nalezty, The American University. Intern Programs. NMAA Advanced Museum Training Program. September 8, 1995 through April 28, 1996.

Hilary Nordholm, High School Senior, Potomac School. Registrar. General overview of registrar's office. May 10, 1995 through June 6, 1995.

Jessica Porter, Bachelors Candidate, University of Delaware. Research on Joseph Cornell collection. June 2, 1995 through July 28, 1995.

Sarah Puckett, Masters Candidate, San Jose State University. Assist in conducting summer teacher workshops, development of photo festival in conjunction with up-coming exhibition. June 2, 1995 through July 28, 1995.

Anne Samuel, Masters Degree. Curatorial Office. NMAA Advanced Museum Training Program—Curatorial. September 8, 1995 through April 4, 1995.

Jennifer A. Sarzynski, Bachelors Candidate, Oakland University. Curatorial. "Diaries and Memoirs": writing, researching and preparing for publication. May 8, 1995 through August 31, 1995.

Emily Shapiro, Bachelors Degree. Intern Programs. NMAA Advanced Museum Training Program. September 8, 1995 through April 28, 1996.

Jennifer Shell, Bachelors Candidate, Indiana University. Research on possible exhibition on Miriam Shapiro, abstract expressionist period. June 2, 1995 through July 28, 1995.

Elisabeth Sherratt, Bachelors Degree, University of California, Los Angeles. Research on upcoming monotype exhibition. June 2, 1995 through July 28, 1995.

Monica Sirimarco, Masters Degree. Intern Programs. NMAA Advanced Museum Training Program, Curatorial and Education. September 8, 1995 through April 28, 1996.

Amy Sloan, Bachelors Candidate, Auburn University. Assistance on all levels for upcoming museum publications. June 2, 1995 through July 28, 1995.

Rachel Smith. Curatorial Office. NMAA Advanced Training Program. September 8, 1995 through April 28, 1996.

Christina Tompkins, Masters Candidate, The American University. Intern Programs. NMAA Advanced Training Program. September 8, 1995 through August 28, 1996.

Roxanna Ware, Bachelors Candidate, Salisbury State University. Assist in work on all levels related to the NMAA permanent database. June 2, 1995 through July 28, 1995.

Laurel A. Williams, Bachelors Degree, Wesleyan University. Archives of American Art. Will be cataloging and summarizing diaries and journal entries of American artists and those related to them, producing and publishing a guide to these diaries. July 5, 1995 through August 1, 1995.

Erika Yowell, Bachelors Degree, College of William and Mary. Assistance on NMAA's directors circle and development of brochure. June 2, 1995 through July 28, 1995.

## *National Museum of American History*

Jennifer Agresta, Bachelors Degree, Mount Holyoke College. Researching social science professors at Howard University in the 1930s. January 17, 1995 through May 26, 1995.

Elizabeth Ann Albert, Doctorate. American Culture. Work on collections management at the National Museum of American History. October 3, 1994 through March 31, 1995.

Leah Angell, Bachelors Candidate, Yale University. Agriculture & Natural Resources. Research project and paper on botanical chemotherapeutics and drug "pharming." June 5, 1995 through August 30, 1995.

Eric Aron, Bachelors Candidate, Clark University. Internships/Fellowships. Coordinating Brown Bag Lunch series and editing "intern opportunities." Also working on Red Hot and Blues exhibit. June 5, 1995 through August 30, 1995.

Joan Axthelm, Bachelors Candidate. Internship and Fellowship. Assisting internship and fellowship coordinator by organizing the Brown Bag Lunch series for spring interns and coordinating the recruitment and orientation of new interns. January 12, 1995 through June 2, 1995.

Ann Marie Baldonado, Bachelors Degree, Haverford College. Archives. Surveying the Ethnic Imagery Project. January 19, 1995 through July 31, 1995.

Rebecca J. Barnes, Bachelors Candidate, Taylor University. Social History. Researching domestic life in America, past and present. Learning about handling artifacts and putting together exhibits. September 18, 1995 through December 14, 1995.

Amy Frances Bartow, Masters Candidate, George Washington University. Public Services. Work on the development and evaluation of a bilingual preschool guide for adult/child audience. January 17, 1995 through April 7, 1995.

Michelle Bayes, Bachelors Candidate, American University. Public Services. Research museum education programs of the last five years and create an annotated bibliography. January 26, 1995 through April 28, 1995.

Robert J. Benjamin, Bachelors Candidate, Stanford University. Public Services. Assisting in model making, architectural drawing, project organization and general tasks in the design division. January 30, 1995 through August 15, 1995.

Kathleen Bergen, Bachelors Degree, Maryland Institute, College of Art. Program Planning and Design. Assisting the supervisor with the planning and designing of an exhibit titled "on Time" to be on exhibit in the museum of American History. August 28, 1995 through December 31, 1995.



- Daniel I. Berger, Bachelors Candidate, Bates College. Armed Forces. Preparing specimens for inventory and data entry. January 25, 1995 through April 28, 1995.
- Justin M. Bernthal, Bachelors Candidate, University of Puget Sound. Public Services. Bulletin board posters, rosters, announcements, thank-you notes. Decide what is important for interns to learn about for the brown bag lunch series. June 1, 1995 through July 27, 1995.
- Anne Berry, Masters Candidate, George Washington University. Community Life. Working on 1939-40 New York World's Fair Collection. October 24, 1994 through January 31, 1995.
- Damon T. Bethea, Bachelors Candidate, Allegheny College. Historical Resources. Ethnic imagery. Researching the view of ethnicity over the past 100 years in American advertisements, films and television. May 30, 1995 through August 2, 1995.
- Fran Biehl, Bachelors Degree, University of Colorado. American Indian Program. Changing landbase and land-use on the Kiowa allotted land area. February 22, 1995 through April 11, 1995.
- Daniela Bleichmar, Bachelors Candidate, Harvard-Radcliffe University. Historical Resources. Researching Dr. George Washington Crile's wax models of animal glands. June 19, 1995 through August 21, 1995.
- Matthew Block, Bachelors Candidate, American University. Special Events/Public Affairs. Begin arrangements for projected symposium auction fund-raising event. Assisting with routine planning and paperwork for ongoing events. Attending events in order to assist with set-up and operations. Assist in the Office of Public Affairs. August 31, 1995 through December 7, 1995.
- Samuel M. Bond, Masters Candidate, University of South Florida, Tampa. Public Programs. Planning and development of impending exhibit for Museum of American History. June 5, 1995 through August 30, 1995.
- Kristin Bornholdt, Bachelors Degree. Numismatic Collection. General collections management with various projects, including some work with viking age coin collection. March 1, 1995 through May 31, 1995.
- Gary F. Bouthilllette, Bachelors Candidate, Virginia Tech, Architectural History. Researching historic Washington buildings, architects, etc. February 14, 1995 through April 28, 1995.
- Debra J. Brennessoltz, Bachelors Candidate, Colorado State University. Exhibits. Working on projects related to graphic design, putting together foam models, drafting and working on the computer. January 27, 1995 through May 1, 1995.
- Julie Anne Buck, Bachelors Candidate, Brigham Young University. Cultural History. Compile, organize, and list divisional film stills. September 6, 1995 through December 13, 1995.
- Jodi L. Bunnell, Masters Candidate. Archives. Archival processing, subject guide preparation and outreach development of multimedia production. June 5, 1995 through August 11, 1995.
- Tracy Bush, Bachelors Candidate, Union College. Community Life. March 27, 1995 through June 2, 1995.
- Sarah M. Cady, Bachelors Candidate, Trinity College. Medical Sciences. Research materials for spectacle collection and several book projects. September 12, 1994 through May 31, 1995.
- Ryan Carey, Bachelors Candidate, Dartmouth College. Political History. Researching for the Land of Promise exhibition with a focus on westward expansion. June 19, 1995 through July 28, 1995.
- Rhonda J. Carlson, Mt. Vernon. Social History. To assist in photographing designer clothing in costume's collections and sort through and photocopy primary source articles for designer/manufacturer reference files. August 21, 1995 through December 31, 1995.
- Kristi Catanach, Bachelors Candidate, Santa Fe Community College. Historical Resources. Cataloguing the Hispanic collection. May 30, 1995 through June 27, 1995.
- Keith Champney, Bachelors Candidate, Boston University. Fellowship Office. Dissertation research assistant for "To Make a Nation: Politics and Patriotism, 1865-1918. January 24, 1995 through April 21, 1995.
- Kim Charlton, Bachelors Degree, Cornell University. Cultural History. Researching/setting up exhibit on sports in America. April 5, 1995 through August 31, 1995.
- Christine Chen, High School Student, The Madeira School. Social and Cultural History. Assisting on the project Poetic License. February 22, 1995 through June 1, 1995.
- Kerry Christiano, Masters Candidate, The George Washington University. Cultural History. Research and any other work assigned on the 1998 exhibition "Rock and Soul: Social Crossroads. May 22, 1995 through October 31, 1995.
- Estella M. Chung, Bachelors Degree, University of Michigan. Cultural History-Community Life Collection. Assistance with research for exhibit and brochure on Lander Design Collections of Packaging and Corporate Imagery. September 5, 1995 through May 1, 1995.
- Hearther Collins, Bachelors Candidate, Colgate University. Cultural History. Working on history of jazz project, helping put together CD Rom that will teach people how to listen to jazz, according to geography and historical period. June 19, 1995 through August 19, 1995.
- Dennis Comerford, Bachelors Candidate, George Mason University. Public Service. The creation and production of the 1995-96 "Intern Opportunities" booklet. May 30, 1995 through December 31, 1995.
- Julie Conaway, Bachelors Candidate, Portland State University. Commerce, Transportation and Work. Research paper on the development of the railroad. July 5, 1995 through August 11, 1995.
- Frances K. Cox, Bachelors Candidate, Duke University. Archives. Research of antebellum literature. May 22, 1995 through August 12, 1995.
- Cathleen Cronin, Bachelors De-

- gree, Occidental College. Social History. Project on depictions of women's bodies in the 18th century by looking at portraits and interpreting. May 16, 1995 through July 31, 1995.
- Carrie M. Crowder, Bachelors Candidate, Mary Washington College. Armed Forces. Research and document the Division's photographic collections and develop a database. January 18, 1995 through April 15, 1995.
- Nadia E. Curry, High School Student, Duke Ellington School of the Arts. Program in African American Culture. Greensboro Project, answering phone, filing, copying and other project related duties. February 6, 1995 through June 15, 1995.
- Kim Curry-Gardner, Masters Candidate, The George Washington University. Social and Cultural History. Assisting with move of ethnic collection and assisting with accessioning incoming collection of suffragette artifacts. October 3, 1994 through March 31, 1995.
- Mark P. Dantos, Bachelors Degree, Colby College. Cultural History. Research assistant on "Rock and Soul" exhibition. May 15, 1995 through August 31, 1995.
- Elisa Borchert Davies, Bachelors Candidate, Coe College. Office of Interns and Fellows. Intern as Research Assistant to Meg Jacobs who is researching on mass consumption in the U.S. between the 1920s and the 1950s. September 18, 1995 through December 8, 1995.
- Monica Ann Degn, Bachelors Candidate, Brigham Young University. Office of Interns and Fellows. Assist intern coordinator with programming and placement of interns at American History. July 17, 1995 through December 15, 1995.
- Marjolein de Laat, Bachelors Degree, Hageschad. Medical Sciences. Research on 18th Century optical equipment. January 9, 1995 through May 15, 1995.
- Margaret Dennis, Bachelors Degree, University of Colorado-Boulder. Community Life. Assist with accessioning, cataloging, research and related collections management activities in the museum's Edward J. Orth World Fair Collections. October 3, 1994 through August 31, 1995.
- Elizabeth Dubrovsky, Masters Candidate, University of Rhode Island. Preservation Services. Work with storage and exhibition projects. May 22, 1995 through June 23, 1995.
- Gina Dyson, Bachelors Candidate, Georgetown University. Archives Center. Working on the Ethnic Imagery Project being developed in the Archives Center, specifically, Hispanic, Latino business materials. June 5, 1995 through August 11, 1995.
- Sarah Ellison, Bachelors Candidate, University of Virginia. African American Culture. Supporting existing programs and concept paper on francophone African American Communities in the New World. June 5, 1995 through August 5, 1995.
- Rodney Evans, High School Student, Duke Ellington School of the Arts. Program in African American Culture. Working on Greensboro exhibit, answering telephones and working on other programs. February 6, 1995 through June 15, 1995.
- Amy Featherston, Bachelors Candidate, Baylor University. Exhibits. Administrative assistant for America's Smithsonian project team for the traveling exhibit celebrating the Smithsonian's 150th anniversary. May 25, 1995 through July 26, 1995.
- Caleb O. Fey, Bachelors Candidate, Corcoran School of Art, Archives Center. Sorting and cataloging of the Skurlock studio photograph collection. September 18, 1995 through December 31, 1995.
- Laura K. Fleming, Doctoral Degree. Writing and editing. Writing and editing scripts for the "Land of Promise," exhibit at American History under the supervision of Diana Cohen. April 25, 1995 through August 31, 1995.
- Katherine Freed, Masters Candidate, George Washington University. Education. Diversifying docent staff. January 17, 1995 through May 1, 1995.
- Yuko Fukunaga, Masters Degree. Division of History and Technology. To work with curatorial development team on new exhibition, "On Time" with special attention focused on Japanese-American interactions. August 1, 1995 through December 31, 1995.
- Tammy M. Furrow, Masters Degree, Villanova University. Commerce, Technology & Work. Assist in compiling an inventory of firearms and working with ordinance photo files. February 6, 1995 through March 31, 1995.
- Eleanor P. "Nonie" Gadsden, Bachelors Candidate, Yale University. Historical Resources. Working on the symposium on the 75th anniversary of women's suffrage. June 15, 1995 through August 15, 1995.
- Jay Garcia, Bachelors Degree. Archives. Working on the "Ethnic imagery Project. October 11, 1994 through December 16, 1994.
- Jasmine Teal Getrauw, Junior High, St. Gabriel Junior High. Program in African American Culture. Office Assistant—filing, data entry, faxing and copying, answering phones, messenger (inside American History only) preparing mailings, organizing office message center and bulletin boards. July 5, 1995 through August 8, 1995.
- Ashley Shannon Gross, Bachelors Candidate, Knox College. Internships and Fellowships. Assistant intern and coordinator, editing, design and production of 1995-96 "Intern Opportunities" with two other interns. June 12, 1995 through August 24, 1995.
- Rachel Hallett, Bachelors Candidate, Bennington College. Internship and Fellowship. Working with a fellow on the history of Politics and patriotism. January 17, 1995 through February 24, 1995.
- Rhonda Hamilton, High School Student, Duke Ellington School of the Arts. Program in African American Culture. Working on Greensboro Project, answering phones, and conducting research. February 6, 1995 through June 15, 1995.
- Keith Haran, Bachelors Candidate, Providence College. 150th Exhibition. Curatorial researcher, retrieving information for exhibitions. June 5, 1995 through August 18, 1995.

- Judit Hargitay, Bachelors Candidate, ELTE University-Budapest. Public and Private Life. Research on the media in America. February 13, 1995 through May 15, 1995.
- Chris Harrington, Bachelors Candidate, University of California, Los Angeles. Community Life/Cultural History. Assisting with project dealing with Cuban involvement in Spanish-American war. April 3, 1995 through June 7, 1995.
- David G. Harstad, Masters Candidate, Indiana University. Director's Office. Help to facilitate the museum's strategic planning. September 18, 1995 through December 31, 1995.
- Michael A. Haubert, Bachelors candidate, UC Santa Barbara. Office of Interns and Fellows. To assist Angela Lakwere with dissertation research by conducting searches at the U.S. Patent and Trademark office, do research and any photocopy required, evaluate and compile data of case files at the Library of Congress law library, patent case files at the National Archives, city directories at American History and tracking down 19th century cotton gin manufacturers. September 19, 1995 through December 1, 1995.
- Karen Heil. Publications. Working as a publication specialist and graphic designer. January 25, 1995 through December 31, 1995.
- Jen Michelle Hickes, Bachelors Degree, Washington & Lee University. Office of Historical Resources. History of Sports and exercise. September 5, 1995 through December 31, 1995.
- Kelly Hogan-Dames, Bachelors Degree, Purdue University. Conservation. Conservation and preservation of costumes. January 9, 1995 through March 9, 1995.
- Renee Susan Jackson, Masters Candidate, Virginia Tech. Preservation Services. Restoration and conservation of textiles, specifically costumes. May 22, 1995 through July 23, 1995.
- George Jacob, Masters Degree, University of Toronto, Science and Technology. Visitor studies and exhibit development research; production process and an overview of related activities at the Smithsonian. May 1, 1995 through July 20, 1995.
- Joshua Jacobstein, Bachelors Candidate, Washington University. Assisting Oz Frankel researching westward expansion in the 1840s and the explorers' encounter with the Native Americans. May 30, 1995 through August 1, 1995.
- Peniel Joseph, Bachelors Degree. Program in African American Culture. Design a conference for summer deadline with issues related to the so-called "underclass." Conference will deal with the ways in which issues such as race, class, and gender affect the poor. June 5, 1995 through August 18, 1995.
- Becah Jubon, Masters Candidate, George Washington University. Public Service. To have exposure to the role of design in the context of conceptualization, development and detailed design of actual exhibitions with real-life criteria for decision making. June 13, 1995 through September 22, 1995.
- Paula M. Kaczor. Bachelors Candidate. Boston College. Community Life Researching political imagery and language in advertising. January 26, 1995 through April 28, 1995.
- Carolyn Karabaic, Bachelors Candidate. Intern and fellow office. Intern offices assisting with orientations and programming. May 31, 1995 through July 28, 1995.
- Carol Elaine Keesling, Masters Candidate, Cambridge University. American Indian Program. Assisting with projects. October 11, 1994 through April 11, 1995.
- Teri Beth Kestenbaum, Masters Degree, Cornell University. Science, Medicine and Society. Project assistant for Medicines: The Inside Story. January 17, 1995 through November 24, 1995.
- Nadia Kharchadourian, Bachelors Candidate, McGill University. Musical History. Assist with "Voices of First Nation Women"; radio broadcast special "Guitar: Art and Soul"; routine office work. May 15, 1995 through August 15, 1995.
- Michael Knighten, Bachelors Candidate, Louisiana State University. Graphic Art. Digitalize art, sort warehouse material. May 21, 1995 through August 1, 1995.
- Julie Morgan Kraus, Bachelors Candidate, Mary Washington College. Community Life. Photo research for the "Wade in the Water" exhibition including looking at photos of 19th and 20th century sacred music personalities and assisting with and ordering photos and getting permission for usage of artifacts. January 18, 1995 through April 15, 1995.
- Audrey E. Krause, Bachelors Candidate, Portland State University. Archives Center. Conducting research on organizations that created about 450 German and Austrian posters during World War I and writing brief histories of these organizations. January 6, 1995 through March 15, 1995.
- Gordon Lanpher, Bachelors Candidate, Brown University. Internships and Fellowships. Researching Legislation of Patriotism. October 4, 1994 through December 31, 1994.
- Alison E. Larmee, Bachelors Candidate, The American University. Internship and Fellowship. Will assist with research towards dissertation. Tasks include visual research and traditional documentary research. January 23, 1995 through April 20, 1995.
- Siri Larsen, Bachelors Candidate, Portland State University. History Services. To research Selman Waksman's discovery of streptomycin in the commercial development and application of the antibiotic. March 29, 1995 through June 2, 1995.
- Jim L. Lasser, Bachelors Candidate, University of Michigan. Military History. Working with the Jackson collection of European history uniforms/World War II American history uniforms exhibit. June 1, 1995 through August 1, 1995.
- Rachel Ledford, Bachelors Candidate, Smith College. Division of Public and Private Life. Life in America in the 19th century, a land of contested promises. The exhibit is divided into five major sections - industrialization, African Americans, immigration, Native American removal or westward expansion. September 5, 1995 through December 25, 1995.
- Alfonzo Leon, Bachelors Candidate, University of Virginia. Planning. Help with the project "On Time". Consists of constructing models, drafting plans and making measure-

- ments of room spaces. May 22, 1995 through August 25, 1995.
- Julia Leonhard, Masters Candidate, Smith College. Political History. Research assistant for the 19th century "Land of Promise" exhibition, research about culturally diverse people in the U.S. June 5, 1995 through July 28, 1995.
- Meredith Levine, Bachelors Candidate, Indiana University. External Affairs. Research on individual and corporate level for funding for special events and development. June 27, 1995 through August 25, 1995.
- Stephen Liss, Bachelors Candidate, Vassar College. Public Services. The history of Afro-Caribbean music and the history of black colleges and universities in America. June 5, 1995 through August 12, 1995.
- Donald (Larry) Loew, Bachelors Degree, University of Louisville. Director's Office. Research donation records. March 13, 1995 through June 2, 1995.
- Ana-Maria Lopez, Bachelors Degree, College of William and Mary. Community Life. Inventory of Jesuit Missions in New Mexico 1767 list of objects of material culture including Spanish and English. November 10, 1994 through May 31, 1995.
- Timothy Lupin, Masters Candidate, George Washington University. Transportation. Archival and collections catalogue and research. June 6, 1995 through August 31, 1995.
- Sabine Manke, Bachelors Degree, Philipps University. Historical Resources. Research on the development of the cosmetic industry during World War II with focus on lipstick. May 30, 1995 through August 17, 1995.
- Mikel Maron, Bachelors Candidate, University of California, Santa Cruz. Computers, Information and Society. HTML-ifying the CIS collection. June 26, 1995 through August 25, 1995.
- Ariane McCarthy, Masters Candidate, George Washington University. Administrative assistant with related strategic program and planning in director's office. May 30, 1995 through August 24, 1995.
- Kathryn McElveen, Bachelors Candidate, College of William and Mary. History Resources. Researching photos of banjos for a computer database. June 5, 1995 through August 18, 1995.
- Kathleen McLaughlin, Bachelors Degree, University of Delaware. Internship and Fellowship. Assisting intern coordinator by serving as orientation leader for perspective interns and those who are starting their internships. December 12, 1994 through May 31, 1995.
- Beverly J. McQuillan, Bachelors Degree, Washington Center UC Davis. Public Services. Will assist the exhibit designer in scaled drawings/models of research on architectural history of the museum as need arises. March 29, 1995 through June 8, 1995.
- Jay D. Metz, Bachelors Degree, Bennington College. History of Science. Research to identify equipment used by researchers in the field sciences (for example entomology, mamalogy, ichthyology, ornithology) during the period 1830-1930; to be carried out using archival resources. January 3, 1995 through February 27, 1995.
- Aaron Micallef, Masters Candidate, George Mason University. Archives. Looking through collections for items pertinent to exhibit, entering onto database. March 6, 1995 through May 31, 1995.
- Jason Mittell, Masters Candidate, University of Wisconsin, Madison. Archives. Archiving film stock for industry on parade. June 1, 1995 through August 4, 1995.
- Peter Moen, Bachelors Candidate, Portland State College. American Festival. Acting as liaison for book project, finding artifacts to do a photo shoot for book project. January 6, 1995 through March 18, 1995.
- Matthew L. Moffett, Bachelors Candidate, James Madison University. Communication, Technology and Work. Research on American architecture. May 8, 1995 through August 15, 1995.
- Helen Morgan, Bachelors Degree. Collection Management Services. Experience in Smithsonian Institution's Collection Management Practices. July 10, 1995 through August 31, 1995.
- Darenda Motley, Bachelors Candidate, University of Mississippi. Social History. Women in WWII clothing, researching in Library of Congress. May 16, 1995 through July 21, 1995.
- Mary Lynn Murphy, Masters Candidate, Hamilton College. Historical Resources. Review of exhibits in National Museum of American History and isolating where religion appears in the museum. Creating a list to be used by the public and museum personnel as a map of where religion can be found in the museum. June 5, 1995 through August 11, 1995.
- Paige Myers, Graduate Student, University of Alberta. Preservation Services. Conservation Techniques. July 10, 1995 through August 11, 1995.
- Melissa C. Naulin, Bachelors Candidate, Smith College. Commerce Technology and Work. research project related to the development of a new exhibition, "on time," in the time-keeping hall of American History. September 5, 1995 through December 25, 1995.
- James Nelson, Bachelors Candidate, Portland State University. 150th Anniversary. Visual research 150th anniversary exhibit. June 28, 1995 through August 21, 1995.
- Raney M. Nelson, Bachelors candidate, Portland State University. Information, Technology and Society. Self-image of the american physicist with advent of post-modernity. September 5, 1995 through December 31, 1995.
- Christopher C. Newbern, Bachelors Candidate, West Virginia University. Design group. Help with design work on the Land of Promise exhibit. May 22, 1995 through July 30, 1995.
- Susan O'Donnell, Bachelors Degree, Smith College. Archives Center. Princeton Posters Research. September 5, 1995 through December 25, 1995.
- Norma O'Mara, Bachelors Degree, Louisiana State University. Internships/Fellowships. Assist internship coordinator, ori-

- entation of incoming interns. May 12, 1995 through June 1, 1995.
- Sumiko Oshima, Bachelors Candidate, University of California, Davis. Textile/Costume Conservation. Collection Management of Textiles, Storage and Exhibition with emphasis on flags and flat textiles. September 19, 1995 through December 1, 1995.
- Alison L. Oswald, Masters Candidate, State University of New York at Albany. Archives Center. Archival Processing. June 5, 1995 through August 15, 1995.
- Joanne Ottaviano, Bachelors Candidate, Bowdoin College. Education. Research in the Library of Congress in housing in 1920s and 1930s. June 11, 1995 through August 20, 1995.
- Martha E. Overby, Bachelors Degree. History Services. Working with the "Go Forth and Serve" project on the conference, museum, newsletter, and assisting in other programming activities. February 1, 1995 through March 1, 1995.
- Nicholas Owers, Bachelors Candidate, Oxford University. To provide office assistance in the promotion of the museum programs and activities and providing routine office support. January 17, 1995 through May 6, 1995.
- Jennifer Ozichowski, Bachelors Candidate, Catholic University. Division of Science and Technology. Research for history of timekeeping exhibit. May 22, 1995 through August 15, 1995.
- Mark H. Palmer, Masters Candidate. American Indian Program. Evolution of land use on the Kiowa Allotted land area in Southwestern Oklahoma. February 6, 1995 through April 11, 1995.
- Ryan Papir, Bachelors Candidate, University of Pennsylvania. Cultural History. Working on exhibit "Sport in American Life." May 30, 1995 through August 11, 1995.
- Amy Pass, Bachelors Degree, SUNY Geneseo. Information and Society. Assisting with routine museum activities, setup of new exhibition and museum demonstrations. February 3, 1995 through May 1, 1995.
- Sarah A. Patterson, Bachelors Candidate, Wellesley College. Historical Resources. Studying the architectural history of Washington, DC. May 30, 1995 through September 4, 1995.
- Marissa Payton, Masters Candidate, Howard University. Program in African American Culture. Researching African American Women's history. November 15, 1994 through May 31, 1995.
- Anna Pegler-Gordon, Masters Degree, Brown University. Department of History and Technology. To work with curatorial development team on new exhibition, "On Time", with special attention focused on immigrant experiences with american time systems and disciplines. June 5, 1995 through September 1, 1995.
- Larissa Nicole Perkins, Bachelors Degree, Georgetown College. Community Life. Research and collections work for history of rock and soul music project. February 6, 1995 through April 28, 1995.
- Jennifer Ponza, Masters Candidate, Academy of Art. American Music. Compiling interviews for a project encompassing women in jazz music, gathering photographs, historical data and oral interviews with artists' friends and family members. January 9, 1995 through March 17, 1995.
- Alison M. Poulsen, Bachelors Degree, George Washington University. Costume Division. Taking out of storage the designer costume collection and photographing it, replacing it in storage, working with collection and conservation department. May 8, 1995 through July 31, 1995.
- Susan Priscott, Bachelors Candidate, American University. Education. Earth Day project coordination and work on the explainer for the Hands-on Science Center. February 2, 1995 through April 29, 1995.
- Brendan Ravenhill, High School, Woodrow Wilson. Armed Forces History. To learn to handle historic Civil War Virginia artifacts in preparation for their photography. June 26, 1995 through August 11, 1995.
- Jodi Reborchick, Bachelors Candidate, George Washington University. Musical History. Researching and helping with Folklife Festival. February 3, 1995 through May 1, 1995.
- Alice Byrd Reed, Masters Candidate, George Mason University. Domestic Life. Research on an upcoming exhibit about homes in America. January 17, 1995 through April 28, 1995.
- Priscilla A. Reinhardt, Masters Candidate, University of Rhode Island. Costume Conservation. Working on a rehousing project for the collection of ethnic costumes, assisting with dismantling and assembling forms and costumes for exhibit, possibly will be involved with some aspect of First Ladies inaugural ball gowns. May 22, 1995 through June 22, 1995.
- Elena Lucia Rivellino, Bachelors Candidate, Smith College. Archives Center. Doing Research on American History Archives collections for an Ethnic Imagery project about representations of people in commercial advertising. September 4, 1995 through December 20, 1995.
- Sara Romeyn, Doctorate Candidate, George Washington University. Domestic Life. Researching for history of childhood exhibits title "Kidstuff." January 17, 1995 through May 1, 1995.
- Kathryn R. Rosenberger, Bachelors Degree, George Washington University. Social History. 75th anniversary of Women's Suffrage "Visions of Equality: Past and Future" symposium. May 15, 1995 through August 31, 1995.
- Zachary Schoening, Bachelors Candidate, Brown University. Electricity. Cataloging "Dial-a-joke" tapes. June 26, 1995 through August 25, 1995.
- Katie Scott-Childress, Masters Candidate, University of Maryland. Archives. Archival processing, subject guide preparation, outreach activities, development of multimedia products and oral and video documentation projects. June 5, 1995 through August 11, 1995.
- Jessica Silver, Masters Degree, University of Michigan. Archives Center. The intern will work with manuscript collections that document innovation and invention in the United States. The intern will participate in and be respon-

- sible for a wide range of archival tasks relating to the collection to which she has been assigned. The intern will be expected to undertake research relating to the collection and produce well written reports and documents as directed. July 10, 1995 through September 19, 1995.
- Peter Simon, Bachelors Degree, Jate University-Szeged. Archives Center. Research on ethnic imagery in films. February 13, 1995 through June 9, 1995.
- Pamela K. Snyder, Bachelors Degree, Union College. African-American History. Research assistant in African American History. May 8, 1995 through July 15, 1995.
- Puttra Som, Bachelors Candidate, Arizona State University. Automation Services. To develop, conduct and analyze a training survey of all American History staff. To develop a database of employee training information that can be assessed in a variety of ways. Prepare written analysis of the survey information. June 5, 1995 through August 11, 1995.
- Abbie N. Sprague, Bachelors Candidate, Bucknell University. Historical Resources. Assisting Dr. Marefat with research for a book on architecture she is writing. May 24, 1995 through August 15, 1995.
- Susan Stark, Bachelors Candidate, Wake Forest University. Office of Interns and Fellows. Research Assistant to Laura Edwards in the area of 19th century American society. June 7, 1995 through July 28, 1995.
- Siani N. Steen, Bachelors Candidate, Lewis and Clark College. Fellows Office. Filing photos, researching medical and dental history in the U.S., short write ups. September 25, 1995 through December 14, 1995.
- Jonathan B. Streff, Bachelors Candidate, Gettysburg College. Cultural History. Research connected to future exhibit on New Orleans jazz. May 15, 1995 through August 13, 1995.
- Julia Surak, Art Institute of Chicago. Exhibit Design. Assist with the "Land of Promise" exhibit. October 3, 1994 through December 31, 1994.
- Joanne R. Tashiro, Bachelors Degree, University of California, San Diego. Archives. Ethnic Imagery Project development in Archives center. Involved in production of fund raising packet for project. Ethnic Imagery Working Group and involved in exhibit and development planning. May 26, 1995 through September 10, 1995.
- Dan Trachtman, Bachelors Candidate, Washington University. Information and Technology. Designed World Wide Web page for photo history and numismatics. June 28, 1995 through August 20, 1995.
- Katherine E. Turner, Bachelors Candidate, Colgate University. Armed Forces. Working with the National Collections of antique weapons, inventorying them into a database and helping with cleaning them. June 5, 1995 through August 4, 1995.
- Myra L. Valdez, Bachelors Candidate, American University. Numismatics. Performing various tasks in the department of numismatics based on persons in charge of the specific projects. February 9, 1995 through May 31, 1995.
- Sandor Vegh, Bachelors Candidate, L. Kossuth University. Cultural History. Research on consumerism in 20th-century America. February 13, 1995 through May 15, 1995.
- Reid Vero, Bachelors Candidate, Dartmouth College. Office of Interns and Fellows. Photos for Intern Opportunities Publication. July 3, 1995 through September 1, 1995.
- Ashley W. Vietor, Bachelors Degree, St. Johns College. Public Programs. Research for Oz Frankel's project "The Politics, Culture and Rituals of Public Investigations in 19th Century America." Focusing research on abolitionist literature and the Civil War US Sanitary Commission. May 1, 1995 through August 10, 1995.
- Elizabeth Voyatzis, Bachelors Degree, University of Virginia. Cultural History. Working with musical history collections, doing various collections management duties. January 3, 1995 through December 31, 1995.
- Sharon R. Vriend, Doctoral Candidate, Bowling Green State University. Cultural History/Archives Center. Ethnic imagery project. June 1, 1995 through June 29, 1995.
- Allison Wickens, Bachelors Degree, Grinnell College. Interns and Fellows. Assisting in the selection of summer interns, the Brown Bag lunches and conducting orientation for new interns. February 27, 1995 through June 30, 1995.
- Anita Wiehr, Bachelors Degree & Candidate, Oregon State University. Program Planning & Design. Internship affords an opportunity to learn the exhibition design development process through hands-on experience working closely with the design chief on a variety of exhibits projects. September 21, 1995 through December 31, 1995.
- Adam Wolfson, Bachelors Candidate. Historical Resources. Working on merger between ACTWU and ILGWU as well as working on other labor history projects. April 10, 1995 through June 3, 1995.
- Martha Wright, Masters Degree, University of Wisconsin-Madison. Public Services. Contact school systems to notify them of the fact that NMAH now has bilingual self guides; develop brochure for those who are interested in African-American history and the AA materials in the Hands on History room. June 14, 1995 through August 16, 1995.
- Candace Wyder, High School Student, Duke Ellington School of the Arts. Program in African American Culture. Working on Greensboro exhibit, answering telephones, typing and other jobs. February 16, 1995 through June 15, 1995.
- Cedric Yeh, Masters Candidate, George Washington University. Numismatic Collection. Working with the ancient Chinese coin collection to ascertain the accuracy of earlier research. June 5, 1995 through August 1, 1995.
- Junghyun Yuh, Masters Candidate, George Washington University. Public Services. Assist in evaluating exhibitions and public programs. Participate in development of outreach programs. Evaluate published literature about NMAH exhibits and programs. May 22, 1995 through July 24, 1995.

Larisa Zimmerman, Bachelors Candidate, Portland State University. History Services. Images of Ethnicity, 1880–1980. March 29, 1995 through June 2, 1995.

## *National Museum of the American Indian*

Sallie S. Anderson, Bachelors Candidate, College of William and Mary. Technology. Working on homepage on internet (world wide web and America On Line). Updating and adding information to NMAI homepage. May 22, 1995 through August 4, 1995.

Erica Brick, Masters Candidate, University of Wisconsin. Repatriation Office. Assisted in conducting research for the Repatriation Office. June 12, 1995 through August 18, 1995.

Jeffrey Davenport, Masters Candidate, University of Arizona. Administration. Intern will be introduced to all phases and departments within the NMAI's administrative department. Intern will rotate from budget, personnel, technology and facilities planning. June 5, 1995 through July 28, 1995.

James P. Henry. Collections. Will work with staff in preservation techniques, care and handling of collections. June 5, 1995 through July 28, 1995.

Francesca Hillary, New York University. Film and Video. Assist in all phases of planning and presenting the NMAI film and video film festival. Project includes organizing and working with selection committee, funding strategies, planning publicity, audience evaluation, etc. April 1, 1995 through September 1, 1995.

Johnnie Jacobs, Masters Candidate, University of Oklahoma. Exhibitions. Focus on the exhibition master planning for the mall museum. Organize and catalogue a collection of slides that will supplement a database. Organize study sketches of exhibit designs compiled by the master plan team. June 5, 1995 through July 28, 1995.

Lydia Jennings, Institute of American Indian Arts. Collections. Will work with staff in preservation techniques, care and handling of collections. June 5, 1995 through July 28, 1995.

Linda Martin, Bachelors Degree, Arizona State University. Publications. Assisting in the design of printed materials. January 17, 1995 through March 22, 1995.

Traci L. McClellan, Masters Candidate, University of Arizona. Public Programs. Cherokee hymn project-compiling and cataloguing Cherokee hymns to provide the Cherokee and English translations for all of them. This database can then be utilized by both of the Cherokee nations. May 30, 1995 through August 4, 1995.

Emily Murphy, University of California/Santa Cruz. Film and Video. Assist in the marketing and publicity for an upcoming film festival sponsored by the NMAI's film and video department. August 1, 1995 through August 31, 1995.

Derek C. Schoettle, Bachelors Degree, Dickinson. Public Affairs. Assist public affairs office with the NMAI's bi-annual film festival. June 12, 1995 through September 22, 1995.

Sabine Scholz, George August University. Research Branch. Will assist researchers in the repatriation department. Intern will also develop a database of native cultural resources. July 10, 1995 through October 15, 1995.

Margaret Seymour, Bachelors Candidate, South Puget Sound Community College. Resource Center. The intern will assist in the design and development of exhibit guides for the museum visitor. June 5, 1995 through July 28, 1995.

Tatiana Slock. Photo Archives. The intern will help to identify and catalog photographic material accessioned in the early and mid-eighties. The intern will generate an inventory of artifact slides and help develop a new catalog. June 5, 1995 through July 28, 1995.

Luanne M. Prosperi Stefanucci, Masters Candidate. Exhibitions. Exploring the potential for an exhibition and publication from the photographic archives. September 18, 1995 through December 15, 1995.

Shannon Valerio, Bachelors Degree. Evaluate public programming for the Native American constituency of the NMAI by analyzing research done with the Native American community. June 5, 1995 through July 28, 1995.

Stephanie Jenny Vasquez, Bachelors Candidate, George Mason University. Assisting in organizing a workshop on Indian Affairs. January 22, 1995 through May 2, 1995.

Jennifer Verling, Bachelors Candidate, University of California, Davis. Exhibitions. Assist in the development of the NMAI exhibition masterplan. March 28, 1995 through June 9, 1995.

Heather Whiteman Runs Him, Bachelors Candidate, Institute of American Indian Arts. Conservation. Will assist staff conservators in a survey of artifacts at the Audubon Terrace facility and perform conservation treatments on a group of selected artifacts. June 5, 1995 through July 28, 1995.

## *National Museum of Natural History*

Michelle Aasrud, Bachelors Degree, University of Massachusetts/Amherst. Handbook office. Research assistant for Language and Plateau volume; photographic research; general research on photography. May 22, 1995 through November 30, 1995.

Glenn R. Almany, Bachelors Candidate, San Francisco State University. Fishes. Morphology and relationships of a new atlantic species of *acanthemblemaria*. May 27, 1995 through August 6, 1995.

Julie Arington, Bachelors Candidate, Murray State University. Botany. Revision of a small genus of the Guianas. May 29, 1995 through August 4, 1995.



- Alfredo G. Auador, Bachelors Degree, University of Havana. Invertebrate Zoology. Study of the Paralaval Octopods of the Florida current. May 29, 1995 through August 6, 1995.
- Suzanne Bass, Bachelors Degree, The American University. Special Events. Assist the special events coordinator in all aspects of preparation, coordination, and execution of events at the museum. June 9, 1995.
- Ryan W. Bavis, Bachelors Degree, St. Mary's College of Maryland. Molecular Systematics. Identification of *Branta bernicla* subspecies using cytochrome b mitochondrial DNA. May 29, 1995 through July 7, 1995.
- Roberto E. Bello, Bachelors Candidate, Michigan State University. V2-HERPS. Two new species of leptodactylid frogs from the Guiana highlands of Venezuela. June 19, 1995 through July 7, 1995.
- Brendan Best, Bachelors Candidate. Development and Public Affairs. Science writing and public affairs assistance. January 31, 1995 through August 31, 1995.
- Aimee D. Betts, Bachelors Candidate, Albertson College of Idaho. Vertebrate Zoology. Examining the evolutionary origins of the African tree squirrels. June 5, 1995 through August 25, 1995.
- Shaunese Nicole Branch, High School Student, Manchester High. Public Programs. Object research for the African voices project. July 10, 1995 through July 7, 1995.
- Karen Brockman, Masters Candidate, George Washington University. Anthropology/Repatriation. Introduction to various facets of the work conducted by the repatriation office of Natural History, with an emphasis on archival research. Documentation of archaeological and physical anthropology collections from the Southeastern United States. June 5, 1995 through August 18, 1995.
- Heather Broxson, Masters Candidate, George Washington University. Exhibits. Assisting exhibits office with the Hall of African Cultures. January 17, 1995 through July 31, 1995.
- Carlos Bustamante, Bachelors Candidate, Harvard University. Anthropology. The history and evolution of male/female differences in immune reactivity. May 29, 1995 through July 7, 1995.
- Ivan Castro-Arellano, Bachelors Candidate. National Autonomous University of Mexico. Mammals. Ecogeographic distribution of selected families of African mammals. May 27, 1995 through August 6, 1995.
- Kristina Collmann, Bachelors Candidate, Wittenberg University. Development. Working with donor database to manage lists for stewardship project. November 28, 1994 through December 31, 1994.
- Jennifer Marie Crane, Bachelors Degree. Native American Program. Research on various photographers of Native Americans for the language volume of the Handbook of North American Indians. October 3, 1994 through May 15, 1995.
- Jessica Crowley, Bachelors Candidate, Sweet Briar College. Public Relations. Assisting with the daily activities of the office, including special events media projects, and office reports; working on specialty project such as the upgrade of the media resource guide. January 3, 1995 through January 27, 1995.
- Flavia F. de Jesus, Bachelors Candidate, Bard College. Botany. Examine new species of plant genus *Resia* having bracts as well as closely related genera of similar habit, habitat and rarity. SEM study of pollen and cladistic analysis will be done as well. May 28, 1995 through August 5, 1995.
- Wida Faryar, Masters Candidate, George Mason University. Automated Data Processing. Geographic map and database entry and editing of ongoing GIS projects at the museum. May 30, 1995 through September 30, 1995.
- Cameron Fraser, Bachelors Candidate, University of Iowa. American Indian. Verifying information on the Mohave people. May 30, 1995 through August 4, 1995.
- Teresa J. Friedrich, Bachelors Candidate, Hope College. Mammals. A study of the anatomy of flying squirrels to test the hypotheses that flying squirrels are monophyletic and derived from New World tree squirrels. May 28, 1995 through August 6, 1995.
- Kurt E. Galbreath, Bachelors Candidate, Illinois Wesleyan University. Invertebrate. Using amphipod crustaceans to interpret evolutionary history and biogeographic pattern in coral reefs. May 27, 1995 through August 6, 1995.
- Henry Goethals, Bachelors Degree, Tufts University. Public Affairs. Assist in public affairs and development. December 12, 1994 through June 30, 1995.
- Philip M. Gottshall, Bachelors Candidate, Moravian College. Paleobiology. A morphometric-based study of a Permian gastropod clade to show general trends in evolutionary speciation and their subsequent natural history. May 29, 1995 through August 4, 1995.
- Jennifer Raye Gough, Bachelors Candidate, Shepherd College. Graphics. Assisting in silkscreening, computer graphics, diorama construction, painting, photo-mounting, hall maintenance and refurbishing. January 30, 1995 through May 5, 1995.
- Christopher Hale, Bachelors Degree, University of Miami. Division of Fishes. Assist the Division of Fishes staff with various duties. June 1, 1995 through June 30, 1995.
- Christopher R. Hardy. Botany. Comparative leaf anatomy of the two genera *Pollia* and *Commelina*. June 2, 1995 through August 4, 1995.
- Dianella Howarth, Bachelors Candidate, University of Pennsylvania. Botany. Study the phylogeny of *Scaevola* in Hawaii. May 29, 1995 through August 6, 1995.
- Eugene Hunt, Bachelors Degree, Duke University. Paleobiology. Growth and variation in early paleozoic trilobites. May 27, 1995 through August 6, 1995.
- John P. Janovec, Bachelors Degree, Kansas State University. Botany. Conducting a traditional taxonomic study of *Senecio Durandii* (Asteraceae: Senecioneae); a species of Costa Rica which is believed to be anomalous among the present concept of *Senecio* s. str. May 27, 1995 through August 6, 1995.



- Maria A. Jaramillo, Bachelors Candidate, Universidad de los Andes. Botany. Phylogenetic relationships in the family Costaceae (Order Zingiberales). May 27, 1995 through August 6, 1995.
- Nicholla C. Johnson, Bachelors Candidate, University of the West Indies. Botany. Monographic study of leguminosae genus *asadia*. May 28, 1995 through August 18, 1995.
- Tricia L. Kennedy, Public Affairs Office. To learn about the functions and activities of a public affairs office in a national museum. May 31, 1995 through July 28, 1995.
- Tara S. Kirkpatrick, Bachelors Candidate, Mount Holyoke College. Mineral Sciences. To study lepidolite, a lithium-rich mica, in pegmatites to determine the criteria for distinguishing between primary and secondary growth of these lenses. May 29, 1995 through August 4, 1995.
- Jeffrey K. Lake, Bachelors Candidate, Grinnell College. Botany. Phylogenetic analysis of generic relationships in the family Musaceae. It will focus primarily on morphological characters and secondarily on molecular data. The phylogeny will be used to trace evolution of pollination system. May 29, 1995 through August 6, 1995.
- Katherine E. Langer, Bachelors Candidate, University of New Hampshire. Mineral Sciences. To determine significance of trace element chemistry in amazonite and microcline for classifying rare element granitic pegmatites. May 29, 1995 through August 8, 1995.
- Claudia B. Mackey, Bachelors Candidate, University of Central Florida. American Indian Program. Catalog photographs of Native American (Plains) and enter information onto a computer database. February 16, 1995 through April 14, 1995.
- Barnaby N. Marsh, Bachelors Candidate, Cornell University. Fishes. Systematic revision of tonguefishes. July 3, 1995 through August 6, 1995.
- Michael Mastrotta, Bachelors Candidate, University of Virginia. Anthropology. Text and graphic database entry and editing for ongoing projects. January 13, 1995 through June 9, 1995.
- Carolyn J. McClennan, Bachelors Candidate, University of Arizona-Tucson. Native American cataloguing. Cataloguing items of Mohave material culture found in the Harrington manuscripts. May 30, 1995 through August 4, 1995.
- Robert D., Miller II, PhD Candidate, University of Michigan. Anthropology. Research into the archaeological profile of Highland Palestine in the 12th-11th centuries B.C. with emphasis on settlement patterns. August 18, 1995 through August 30, 1995.
- Fancine Millman, Masters Candidate, George Washington University. Exhibits. Assisting in project management and educational outreach for the new Janet Annenberg Hooker Hall of Geology, Gems, and Minerals. January 10, 1995 through May 14, 1995.
- Denise Mitchell, Bachelors Candidate, University of Oregon. Native American Program. Researching ethnological and historical information on Native American groups of Southwest Oregon Coast. April 4, 1995 through June 9, 1995.
- Peter Murch, Bachelors Candidate, State University of New York. Zoology. Analysis of the distinctive west of gresgrutus like characids from the western and central Amazon basin. May 27, 1995 through August 6, 1995.
- Mary L. Murphy, Masters Candidate. Anthropology. Helping research for Egyptian exhibit and human origins exhibit. June 12, 1995 through August 11, 1995.
- Abdul-Karim Mustapha, Bachelors Candidate, University of Maryland. Anthropology. Looking at local archival collection and documents by African Americans during the antebellum period. These will be used as a source material to engage the issue of African American literacy at this time. June 5, 1995 through August 11, 1995.
- Peter Nichols, Bachelors Candidate, James Madison University. Mineral Sciences. Preparation of the Bulletin of the Global Volcanism Network, a monthly update on active volcanoes. March 20, 1995 through August 31, 1995.
- Kara A. O'Connor, Bachelors Candidate, University of Vermont. Botany. To use a variety of microtechniques to compare leaf anatomy in the Commelinaceae. May 27, 1995 through August 6, 1995.
- Makiko Okuma, Bachelor's Candidate, Wichita State University. Anthropology, Asian Ethnology. Geographical terms annotations in Abbot project, specifically Central Asia June 11, 1995.
- Catherine Ann Osuna, Bachelors Candidate, Sweet Briar College. Public Programs. Reworking Discovery Room Collection box "What is a Fossil?" Including research, script writing and refurbishing the box. January 9, 1995 through January 31, 1995.
- Karin L. Owens, Bachelors Candidate, Alabama A&M University. Learn and actively participate in all financial aspects of the program including the distribution of funds across multiple fund numbers, budget spending, record keeping, financial management and budget reconciliation. June 5, 1995 through August 1, 1995.
- Bret A. Payseur, Bachelors Candidate, University of Colorado at Boulder. Conservation. DNA extraction from taphonomic bones, PCR amplification, and inspection of changes in the DNA over time. May 27, 1995 through August 6, 1995.
- Ana L. Porzecanski, Bachelors Candidate, University de la Republica. Paleobiology. Comparison of preservation of experimentally decayed and fossil leaves. May 27, 1995 through August 6, 1995.
- Lola H. Purvis, Masters Candidate, University of New Orleans. Anthropology. Directed independent archival internship—Acee Blue Eagle Collection. May 22, 1995 through June 9, 1995.
- Edward A. Rehfeld, Bachelors Candidate, Stone Child College. Marine. Taxonomic re-appraisal of *compsomediamia medium chabanand 1951* (cynoglossidae: pleuronectiformes), a poorly-known Indo-Pacific tonguefish. May 27, 1995 through August 6, 1995.
- Michelle B. Roche, Bachelors Candidate, College of William and Mary. Anthropology. Archaeobiology of the Habur

- Basin: analysis of faunal remains from two Syrian sites. May 29, 1995 through August 4, 1995.
- Laura E. Rose, Bachelors Degree, UC Davis. Botany. Comparing the anatomy of leaves of Commelinaceae using techniques including paraffin embedding, whole leaf clearings, epidermal peels and SEM photography. May 29, 1995 through August 6, 1995.
- Danielle Rudin, Bachelors Candidate, The American University. Anthropology. Helping with the moving and storing of the Oceania and Asia collections. May 15, 1995 through August 18, 1995.
- Scott J. Rufolo, Bachelors Degree, Rutgers, The State University. Anthropology. Zooarchaeological analysis of faunal material from 3 sites in NE Syria dating to the 3rd millennium BC with the intent of placing the assemblage into a theoretical model of the emergence of domestication in Mesopotamian region. May 27, 1995 through August 6, 1995.
- Aniko Sabo, Bachelors Candidate, Faculty of Mathematics and National Science. Invertebrate Zoology. Identify marine nematodes from Fort Pierce and determine during what season of the year they are reproducing. May 27, 1995 through August 6, 1995.
- Lou Ann Saunders, Bachelors Candidate, George Mason University. Anthropology. Working with ongoing projects involving geographic information systems. October 11, 1994 through April 11, 1995.
- Jacqueline Schraad, Masters Candidate, George Washington University. Anthropology Conservation. Pack and store objects as a move technician and assist with the conservation of ethnological objects in the Anthropology Conservation Lab. February 21, 1995 through May 15, 1995.
- Patrick Q. Sheridan, Bachelors Candidate, Corcoran School of Art. Graphic Arts/Production. Graphics Arts/production assistant working on screen printing and computer design. July 15, 1995 through August 31, 1995.
- Rebecca A. Siegel, Bachelors Candidate, Tulane University. Public Affairs. To learn about the functions and activities of a public affairs office in a national museum setting. June 13, 1995 through June 28, 1995.
- Pilar M. Somma, Masters Candidate, George Washington University. Repatriation. Researching collection for repatriation, assisting in any returns. June 5, 1995 through August 11, 1995.
- Tarra D. Speaks, Bachelors Candidate, The College of Wooster. Invertebrate Zoology. A reassessment of the status of Western Atlantic species of the genus *Astropecten*, using collections literature and photographic data. May 29, 1995 through August 6, 1995.
- Renee Audrey Stein, Bachelors Degree, Smith College. Anthropology Conservation Labs. Assistance in Anthropology conservation laboratories. December 19, 1994 through August 15, 1995.
- Patricia Sternheimer, Masters Degree. University of Virginia. To learn collections management procedures, cataloguing, data management and storage techniques. February 8, 1995 through May 31, 1995.
- Terrell Stoessell, Bachelors Candidate, University of Virginia. Development of a standard for the nomenclature of cetacean skull osteology. May 18, 1995 through May 30, 1996.
- Joseph F. Trottier, Masters Candidate, University of Montana. Native American. To work on the Curtin artifact collection and microfilming files of his original letters and notes. May 30, 1995 through August 4, 1995.
- Arianne Vanrell Vellosillo, Masters Candidate, Paris I Pantheon-Sorbonne. Anthropology. Ethnographic Conservation. November 30, 1994 through February 28, 1995.
- Karen Viskupic, Bachelors Candidate, Washington University in St. Louis. Mineral Science. Describe the mineralogy of hornblende bearing pegmatites. The major and trace element chemistry of the pegmatites will be investigated by the use of an electron microprobe and x-ray fluorescence. May 29, 1995 through August 4, 1995.
- Jessica Wade, Bachelors Candidate, Miami University-Ohio. Update research library, foundation research projects, donor database training and report development, stewardship projects. June 6, 1995 through August 5, 1995.
- George B. Wasson, Doctorate Degree, University of Oregon. Native American Program. Researching ethnological and historical information on Native American groups of Southwest Oregon Coast. April 4, 1995 through June 9, 1995.
- Mary Whittle, Bachelors Candidate, Amherst College. Botany/Fishes. Created algae page for world wide web server; placed info on fish drawing collection in computer database. June 12, 1995 through August 11, 1995.
- Diane Wong, Bachelors Degree. Entomology. Scientific illustration internship illustrating various lacewing structures/morphologies with critiques and conferences with staff illustrator. October 3, 1994 through April 30, 1995.
- Jason T. Younker, Doctoral Candidate, University of Oregon. Native American Program. American Indian Anthropological Collections: Southern Oregon Coast. April 3, 1995 through June 9, 1995.
- Shiord Younker, Bachelors Candidate, University of Oregon. Native American Program. American Indian Anthropological Collections: Southern Oregon Coast. April 3, 1995 through June 9, 1995.

## *National Portrait Gallery*

- Elizabeth Ann Albert, Doctorate. Peale Papers. Work on Catalogue Raisonné of the Paintings of Rembrandt Peale. October 3, 1994 through March 31, 1995.
- Holly Anderson, Masters Candidate, Buffalo State College. Conservation. Participant in Conservation Analytical Laboratory project for National Portrait Gallery conducting a survey of the Time collection. January 17, 1995 through March 31, 1995.

- Whitney Anderson, Masters Candidate, University of Arizona, Catalog of American Portraits. Researching historical portraits of American Indians and compiling bibliographic records to be put into a computer database. June 5, 1995 through August 11, 1995.
- Lalaine Bangilan, Masters Candidate, George Washington University. Education. Assistance with lunchtime lecture series, audience development and with preparation for Fall docent training. January 17, 1995 through July 7, 1995.
- Lynne C. Colton, Bachelors Candidate, Brigham Young University. Historian's office. Researching and assisting with various exhibits-especially Red, Hot and Blue and The Barrymores. May 15, 1995 through August 11, 1995.
- Amy Featherston, Bachelors Candidate, Baylor University. Exhibits. Working on development of "Red, Hot, and Blue" exhibit celebrating American musicals. May 31, 1995 through July 28, 1995.
- Shannon Rae Fincke, Bachelors Candidate, Susquehanna University. Education Department. Develop program materials based on the Permanent Collection of the National Portrait Gallery for use in an inter-disciplinary Humanities program for high school students. September 11, 1995 through December 8, 1995.
- Tuliza Fleming, Bachelors Degree. Curatorial. Research existing curatorial information and initiate new research on the National Portrait Gallery's collection of forty-four painted portraits of distinguished African Americans donated by the Harmon Foundation. June 5, 1995 through August 11, 1995.
- Francis I. Fletcher, Bachelors Candidate, College of Wooster. Prints and Drawings. I will be cataloguing some three hundred drawings by Gardner Cox recently acquired by the Portrait Gallery. May 15, 1995 through August 23, 1995.
- Jeana K. Foley, Masters Candidate, University of North Carolina Chapel Hill. Photographs. Researching Matthew Brady for future exhibition. October 17, 1994 through April 15, 1995.
- Eleanore P. Gadsden, Bachelors Candidate, Yale University, Catalog of American Portraits. Biographical research on subjects and artists of portraits at the Koshare Indian Museum, La Junta, Colorado, and research and data entry for portraits at the Montana Historical Society and other western collections. June 13, 1995 through August 18, 1995.
- Nancy Lynn Hall, Bachelors Candidate, George Washington University. Peale Family Papers. Biographical research on the sitters of Rembrandt Peale, 1778-1860, American Portraitist, for a catalog *raisonne* of his works being prepared at the Peale family papers. September, 7 1995 through April 30, 1996.
- Julie Carol Hart, Graduate, George Washington University. Painting and Sculpture. The intern will primarily be involved with research on pending acquisitions and answering public inquiries, although other curatorial duties involved with the permanent collection will be assigned as they arise. September 7, 1995 through December 15, 1995.
- Alexis K. Hill, Bachelors Candidate, Smith College. Peale Family Papers. Researching and cataloguing the Papers of Titian Ramsay Peale. September 5, 1995 through December 15, 1995.
- Leslie Ivie, Bachelors Candidate, Smith College. painting and sculpture. Research on the forty-five portraits of distinguished African Americans given by the Harmon Foundation in 1967. September 5, 1995 through December 25, 1995.
- Susanne Javdani, Bachelors Candidate, University of California Santa Barbara. Catalog of American Portraits. Collating portrait images and documentation, integrating portrait material into archival files, researching portrait collections, individual art works, sitter and artist biographies. January 9, 1995 through March 22, 1995.
- Shi Jung, Bachelors Degree, American University. Registrar. Will help update files on the museum collections. June 12, 1995 through August 25, 1995.
- Sharon Lanza, Bachelors Candidate, Northwestern University. Researching for Barrymore exhibit for National Portrait Gallery. June 21, 1995 through July 28, 1995.
- Flai Livingston, Bachelors Candidate, Howard University. Education. Serving as principal assistant to the Public Program Manager in the film program by researching, locating and ordering films for the film series. February 31, 1995 through April 27, 1995.
- Stefne A. Lynch, Bachelors Candidate, Smith College. Education Department. Design highlights of the gallery tours for the National Portrait Gallery. June 5, 1995 through August 11, 1995.
- John Carpenter McKee, Masters Candidate, Winterthur Museum. Curatorial. Curatorial research in painting and sculpture. December 27, 1994 through April 30, 1995.
- Sandy Meyer, Bachelors Degree. Education Department. Responsible for the National Portrait Gallery's film series, and other duties as assigned. September 9, 1995 through November 30, 1995.
- Laurie O'Donnell, Bachelors Candidate, Brown University. History Department. To assist in researching the portraits of Henry Clay, in addition to researching a small exhibit on George C. Marshall. This research will involve newspaper and periodical searches in the Library of Congress. July 3, 1995 through August 25, 1995.
- Amy L. Richardson, Bachelors Candidate, Mount Holyoke College. Computer Services. Research and compiling information for "see more about" pamphlets. September 5, 1995 through December 25, 1995.
- Cary Riker, High School Senior, St. Timothys School. Catalogue of American Portraits. Organizing and labeling portrait material; researching sitter and artist biographies; editing catalog information; incorporating portrait material into CAP files; entering portrait data and images into CAP computer database. May 18, 1995 through June 6, 1995.
- Anne F. Sawicki, Masters Candidate, University of California, Davis. Education. To begin the preparation of the National

Portrait Gallery's permanent collection illustrated checklist in book form, also removing and sorting half-tone illustration films. June 4, 1995 through August 12, 1995.

Katherine D. Sevier, Bachelors Candidate, Wellesley College, Prints and Drawings. Acting as research assistant to Wendy Reaves, curator of Prints and Drawings. Cataloging incoming prints and drawings; miscellaneous research for department. May 30, 1995 through August 4, 1995.

Ilana Shafran, Bachelors Candidate, Barnard College. Education. Organization, research and computer entry of portrait records from New Mexico state survey. Also research work with National Portrait Gallery curatorial files and public reference requests. June 12, 1995 through August 21, 1995.

Amy R. Stegman, Bachelors Degree, Mary Washington College. NPG Registrar's Office. Assisting in the National Portrait Gallery Registrar's Office with a special project to create new permanent registrarial records for all Gallery collections. July 5, 1995 through January 5, 1996.

Leslie Ann Stubbs, Bachelors Degree, U.S. International University. Design and Production. Assist Production Manager and assist Chief of Design with all aspects of design preparation and coordination. Specific tasks will include drafting plans, assisting with scheduling and maintenance of master calendar. January 30, 1995 through April 30, 1995.

Natasha L. Suber, Bachelors Candidate, Morgan State University. Education. Assist education program assistant with the Cultures in Motion program series, film series, and intern program at the National Portrait Gallery. June 7, 1995 through September 7, 1995.

Heather Sullivan, Bachelors Candidate, Smith College. Office of the Historian. The Rise of Celebrity Culture-(the Barrymores, musical theater videos). September 5, 1995 through December 25, 1995.

Stephanie Lee Tadlock, Bachelors degree. Education Department. Assist with 12 week initial Docent Training Course. Promote and help run the Lunchtime Lecture and Portraits in Print Series. September 14, 1995 through December 20, 1995.

Lesley Tucker, Bachelors Candidate, Middlebury College. National Portrait Gallery. Assisting in the National Portrait Gallery Registrar's office with a special project to create new permanent registrarial records for all Gallery collections. June 21, 1995 through August 30, 1995.

Jessica Cole Udvardy, Masters Degree, George Washington University. Photographs. Project will be to catalog 99 photographs by George Tames from the Hines collection taken during the Cold War era. February 6, 1995 through May 26, 1995.

Allison Wickens, Bachelors Degree, Grinnell College. Education. Assisting in the research and development of classroom materials that can be used in conjunction with two special exhibitions at the gallery, and will have work as a teaching assistant during a four day seminar. February 27, 1995 through July 14, 1995.

Kirsten E. Williams, Bachelors Candidate, University of Virginia. Publications. Helping to edit and publish books for the National Portrait Gallery, including "1846", a book about the Smithsonian's 150th anniversary. Also, editing exhibition captions and other written materials for the museum. May 22, 1995 through July 28, 1995.

## *National Postal Museum*

Tracy Brown, Masters Candidate, George Mason University. Public Affairs. Text entry and editing of the museum newsletter, updating all press materials in the museum's media kit, updating and writing new captions for publicity photographs, and writing press releases. January 23, 1995 through May 15, 1995.

Kathryn Concannon, Bachelors Candidate, Grove City College. Collections Department. Arranging a small collection of 19th century post office correspondence and rehousing. Also creating a finder's aid. June 6, 1995 through August 22, 1995.

Mark Dellapietra, Bachelors Candidate, Catholic University. Collections. Assisting in the rehousing of the Certified Plate Proof Collection. Assisting with various collections management projects as assigned. August 31, 1995 through December 15, 1995.

Alan Hiebert, Bachelors candidate, Coe College. Public Affairs. Develop press releases for up-coming exhibits and programs, update media lists and activity logs, send mailings, assemble press kits to include clips, summer newsletter, create postcard mailer for VIARC, video project and other related duties. September 5, 1995 through December 8, 1995.

Leigh A. Kale, Bachelors Candidate, University of North Carolina. Public Affairs. Assemble press kits, organize slides and photos for distribution, answer media and public's questions about museum, write press releases and various other tasks relating to the public, media and advertising. May 21, 1995 through August 9, 1995.

Jeff Kishman, Masters Candidate, George Washington University. Education. Creating a secondary school Postal Pack and public programming. January 17, 1995 through April 27, 1995.

Richard J. Moniz, Jr., Masters Candidate, Rhode Island College. Music Department. Original research in the Music Department of the Library of Congress, contacting other museums and repositories, etc. May 30, 1995 through July 7, 1995.

Christine Mulligan, Masters Candidate, George Washington University. Education. Designing activity kits, revising and teaching student tours, and creating a pre-visit curriculum materials for high school students. January 17, 1995 through April 27, 1995.

## *National Zoological Park*

Surangi Punyasena, Bachelors Candidate, Yale University.

Working in the Bio Visualization Lab at the National Zoo under Dr. Alfred Rosenberger. Exploring the way in which three-dimensional scanning could be used to study biological specimens, namely the molar teeth of primates. Scanning teeth using a three ton laser named Huxley. Developing a technique in which to orient the digitized images of these casts of howler and squirrel monkey molars so that the differences in morphology between individuals and the differences between species and their ancestors could be compared. June 5, 1995 through August 18, 1995.

## *Office of Architectural History and Historic Preservation*

Fay A. Beilis, Bachelors Candidate, Oberlin College. Research into architectural history of the patent office building, focusing on issues concerning its preservation. Project will result in an evaluation of historic character and original fabric of building. June 12, 1995.

Katherine Eggers, Bachelors Degree, Yale University. Research into the architectural history of the Hirshhorn Museum and Sculpture Garden, culminating in a twenty page research paper. June 12, 1995 through August 21, 1995.

Denis R. McNamara, Masters Candidate, University of Virginia. Research on Adolf Cluss, architect of Arts and Industries Building. July 5, 1995 through August 11, 1995.

Victoria Solan, Bachelors Degree, Oberlin College. Research history of the interior of the Arts and Industries Building. October 11, 1994 through December 22, 1994.

## *Office of the Assistant Provost for Arts and Humanities*

Rebecca Jubon, Masters Candidate, George Washington University. Accessibility Program. The intern will illustrate and produce a design layout for the accessibility program; "Guide for Accessible Exhibition Design." The document will be published for internal Smithsonian Institution use. September 18, 1995 through December 1, 1995.

Kristin Schumacher, Masters Candidate, Cooperstown. Working with accessibility coordinator on various projects including possible major internet accessibility project. June 5, 1995 through August 11, 1995.

## *Office of Elementary and Secondary Education*

Christopher Z. Breault, Bachelors Candidate, Saint Michael's College. Introductory and observational program for clinical case. Aid technicians in general hospital maintenance. Includes cleaning equipment and assist with making observations and recording them. June 26, 1995 through August 5, 1995.

Ricardo J. Cavo Acosta, Bachelors Candidate, University of Puerto Rico. Invertebrate Exhibit. Maintenance of the exhibits, feeding the animals, cleaning the exhibits, designing the aquaria interiors, carry out water tests, answer visitors questions, conduct feeding demonstrations and help visitors use a microscope to identify invertebrates in water and soil samples. June 24, 1995 through August 5, 1995.

Shawn Djernes, Bachelors Candidate, University of Nebraska, Lincoln. Computer Services. Work as a member of the Information Resource Division staff and assist staff responsible for training and end-user support for mainframe and PC-based applications. Edit and update OIRM training manuals using WordPerfect on the local area network. Serve as the teaching assistant in the Information Resource Division Training Room and assist in the maintenance of Training Room computers. June 24, 1995 through August 5, 1995.

Lynn-Steven Engelke, Masters Candidate, George Washington University. Teacher Services. Providing research and general program support for "Teaching and Learning in a Diverse Society." January 18, 1995 through April 28, 1995.

Welana A. Fields, Bachelors Candidate, Oklahoma University. Support the exhibition department in the development of the exhibit masterplan for the National Museum of the American Indian mall museum. Learn and observe exhibit design and master planning, museum management, administration and Native American art and culture. June 24, 1995 through August 5, 1995.

Ethan R. Jolley, Bachelors Candidate, Utah Valley State College. Work with National Air and Space museum lighting designer in designing, installing and maintaining exhibit lighting systems. Research new equipment, drafting plans for proposed exhibits, installing and focusing lighting units for new exhibits, and re-lamping existing fixtures. Assist the lighting designer in writing specifications, in applying basic engineering standards, and in complying with Smithsonian Institution regulations and the National Electrical Code. June 26, 1995 through August 4, 1995.

Ciani J. Jones, Bachelors Candidate, Georgetown University. Research and organization of several small touring exhibitions drawn from the National Museum of American Art's collection as well as conducting research on Hispanic and Indian artists. June 24, 1995 through August 5, 1995.

Mai Le, Bachelors Candidate, University of Texas at Austin.

Assist in configuring and installing personal computer hardware and software, including network software in offices of the National Air and Space Museum. Assist personal computer users in solving hardware and software problems. June 24, 1995 through August 5, 1995.

Betty Limon. Latino Outreach. Work with Public Affairs staff involved in the Institution's outreach program directed toward the Latino community in Washington D.C., and across the nation. Work with other Smithsonian bureaus, various forms of Latino media, developing contacts and participants. in PR activities. June 26, 1995 through August 4, 1995.

Farhan Malik, Bachelors Candidate, University of Kansas.

Space History. Work with primary source materials dealing with the technology of manned spaceflight in order to organize and prepare archival records. Assist with the care and storage of the space suit collection from the Mercury, Apollo and Gemini eras. June 26, 1995 through August 8, 1995.

Javier T. Moreno, Bachelors Candidate, Texas Tech University. Golden Lion Tamarin. Assist zoo staff in interpreting the exhibit to the general public, Perform specific animal observations. Assist in daily care tasks like food preparation and will learn to use radio tracking equipment for public demonstrations. June 24, 1995 through August 4, 1995.

Melissa Neuman, Bachelors Candidate, Harvard University. Historian. Assist National Portrait Gallery historian with ongoing research projects using the collections of the Gallery itself and perhaps those of the District of Columbia's Public Library and the Library of Congress. June 24, 1995 through August 5, 1995.

Callie J. Newcombe. Primate House. Assist primate keepers with their daily routine including cleaning enclosures, preparing food, and conducting behavioral observations of eight species of primates. Assist with some record keeping. June 24, 1995 through August 5, 1995.

Chi T. Ng, High School Senior, Lane Technical High School. Armed Forces History. Working with collections of over 400,000 objects (uniforms, insignia, art). Caring for collections and assisting with mounting exhibitions. Use computerized catalogue system. Assist in routine museum work. June 24, 1995 through August 5, 1995.

Steven C. Pabst, Bachelors Candidate, Ball State University. Exhibit Interpretation. In National Zoological Park's photography department, experiencing Black & White photography printing, copy work, filling photo requests, and assisting the staff photographer with animal and other photography. Learn about and help survey, rehouse, identify, and catalog historic and recent photographs in the Zoo's photo archive. Assist with the development of the Photo CD project to integrate photo CD images into a database. June 24, 1995 through August 5, 1995.

Nazzy Pakpour, Bachelors Candidate, University of California, Davis. Insect Zoo. Will learn to care for the animals

found in Insect Zoo and learn interpretive techniques which have been developed specifically for the exhibit. Will participate in teacher training workshops. June 24, 1995 through August 5, 1995.

Jaime Petrovich. Early Enrichment Center. Assist in researching and coordinating developmentally appropriate museum-based activities for children. Responsible for assisting in planning and implementing the actual activities. The intent of the program is to integrate museum experiences with early childhood education, stressing active learning, critical thinking, and problem solving skills. June 24, 1995 through August 5, 1995.

Taj J. Polite, Bachelors Candidate, North Carolina State. Education. Assist the education department by conducting tours of the education department by conducting tours of the "Black Mosaic Community, Race and Ethnicity" exhibition. Additional duties include answering telephone inquiries, working with the education department's archive, and helping to update the mailing list. June 26, 1995 through August 5, 1995.

Corlei N. Prieto, Bachelors Candidate, University of California, Santa Barbara. Education. Assist with various duties related to the care and maintenance of the "Exploring Marine Ecosystems" exhibit. Participate in the daily maintenance and monitoring of 3,000-gallon Caribbean coral reef exhibit, a 2,000-gallon gulf of Maine exhibit, and two 130-gallon aquarium exhibits. Perform technical duties including monitoring chemical parameters (temperature and salinity), observing and feeding organisms within the systems, harvesting algal turf scrubbers, and checking mechanical equipment. Provide behind the scenes tours and answer questions for the general public. June 24, 1995 through August 5, 1995.

Michael William Twitty, Bachelors Candidate, Howard University. African-American Studies Center. Aid The Smithsonian Associates Studies Center in the planning and implementation of programs, and to research, collect, and record data on past programs and overall successes of the Studies Center. June 25, 1995 through August 5, 1995.

Melanie J. Weeks, Bachelors Candidate, McNeese State University. Curatorial Affairs. Introduction to basic curatorial concepts, review of exhibits proposals, discuss process and planning with curators and participate in evaluation process through review committee. June 2, 1995 through July 26, 1995.

Olivia M. Wendt, Bachelors Candidate, St. Norbert. Library. Assist professional staff in standard library duties, learning about variety of research tools. Help to determine whether incoming materials are to be catalogued or to be discarded, following library guidelines to sort materials already selected for the library's vertical files, and helping to eliminate the backlog of materials already selected for the vertical files. June 26, 1995 through August 5, 1995.

Maria Wiehe, Bachelors Candidate, Mesa Community College. Horticulture. Work in the Grounds Management

Branch includes maintaining turf and flower bed areas. The Greenhouse-Nursery Branch work introduces general greenhouse practices. June 24, 1995 through August 4, 1995.

Jasmine Williams, Bachelors Candidate, Indiana University Northwest, Office of Registrar. Assist the National Museum of American Art's Registrar staff in its daily work ranging from filing records and entering data to moving art work and crates. June 26, 1995 through August 7, 1995.

## *Office of Exhibits Central*

Monika Hirshbichler, Bachelors Candidate, University of Maryland. Graphics. Working with graphics coordinator on matting and framing plus assisting with various phases of silkscreening. February 8, 1995 through May 31, 1995.

Susan Linton, Bachelors Candidate, Tulane University. Working in the fields of graphics, model making, computers and design of museum exhibits. June 26, 1995 through August 23, 1995.

CarolAnne Otto, Bachelors Degree, Beaver College. Model Shop/Exhibits. Working in exhibit fabrication for the Duck Stamp Hall of the National Postal Museum and Land of Promise for the National Museum of American History as well as other projects in Natural History. May 30, 1995 through December 31, 1995.

Robert J. Patterson. Fabrication Shop. Fabrication of display cases for exhibits. June 5, 1995 through August 5, 1995.

Lenard Reid, High School Student, Duke Ellington School of the Arts. Illuminating the gallery walls and illuminating art works. November 1, 1994 through November 29, 1994.

Rodney H. Robinson, Bachelors Degree, University of Kansas. Model making. Assist and make a variety of models for various exhibitions. Projects such as making a life mask, fish mold, a diorama and leaves from cellulose acetate. Involve planning, gathering of materials and final presentation. May 1, 1995 through August 31, 1995.

## *Office of General Council*

Jeannie Diane Mandoline, Law Student, Washington College of Law. Legal research and writing in various Smithsonian related areas. October 3, 1994 through December 31, 1994.

Susan Marino, Masters Candidate, Columbus School of Law. Legal research and writing on various Smithsonian related legal problems; other special projects as they may arise. January 9, 1995 through April 26, 1995.

Tricia Sanders Wellman, Masters Candidate, George Mason University. Legal research and writing on various Smithsonian

related legal problems and other special projects as they may arise. January 9, 1995 through May 5, 1995.

## *Office of Government Relations*

Carlos G. Rosa, Bachelors Candidate, Inter American University. Information systems intern to design and implement legislative, constituent service and administrative function recording and tracking systems. To work on commemorative coin program and congressional zoo night. To instruct office personnell on computer usage. June 13, 1995 through August 11, 1995.

## *Office of Latino Affairs*

Adrian Guerra, Bachelors Candidate, Blackhawk College. Assisting the Office of Public and Government Affairs and working at the museum of American History in cataloging pictures from the early 1900s. July 5, 1995 through August 10, 1995.

Jose Salazar, Bachelors Candidate, Western Illinois University. Photographs. Labeling and sleeving photographs and negatives of Cuban and Philippine photographer Charles Doty. July 5, 1995 through August 12, 1995.

Roberto Venegas, Bachelors Candidate. Colorado College. Collecting information regarding Latino issues in the Smithsonian collections. June 5, 1995 through August 11, 1995.

## *Office of Membership and Development*

Amy S. Jones, Bachelors Candidate, Duke University. Compile bibliography for corporate partner program. May 17, 1995 through June 30, 1995.

## *Office of Plant Services*

Flora Cox, Bachelors Candidate, University of the District of Columbia. Horticulture Services. Learning about the basics of application and classification standard of the Institution. February 14, 1995 through April 21, 1995.

Larry Loew, Bachelors Degree, University of Louisville. Horticulture Services. Working with the management of the Or-

chid Collection. Reviewing collection to prepare physical inventory locating the label on each plant. Replacing damaged and faded labels, identifying unknown specimens. Researching, computerizing, and organizing collections and records. July 17, 1995 through September 22, 1995.

Kerrie L. Pinnell, Bachelors Candidate, Southwest Missouri State University. Horticulture. Working with the maintenance of the Haupt Garden. Project will include turf management, pruning and training of hedges and parterres, maintenance of large expanses of ground cover and rose gardening. June 19, 1995 through August 25, 1995.

Francie Schroeder, Bachelors Degree, George Washington University. Horticulture Services Division. The intern will catalog 35mm slides in the AAG collection and prepare a set of guidelines to be used for evaluation of 35mm slides of gardens and landscapes. September 11, 1995 through December 22, 1995.

Karen A. Swanson, Masters Candidate, University of Michigan. Horticulture. Assist the landscape architect in updating the master planting plans of the museum grounds. The project will include verifying plants on the site and preparing drawings to accurately represent the landscape. June 19, 1995 through November 17, 1995.

Jane Williamson, Bachelors Degree, University of the South. Horticultural Services. Working with the maintenance of the Haupt Garden, Project will include turf management, pruning & training of formal hedges and parterres, maintenance of large expanses of ground cover, and, rose gardening. October 3, 1994 through January 27, 1995.

Anna S. Yellin, Bachelors Degree, University of Maryland. Horticulture Services Division. Intern will maintain the Butterfly Garden. While maintaining the garden, the intern will develop a record from which future plant lists can be selected; develop maintenance routines; doing research along the way; will record butterfly visits (time of year and type of plant visited.) August 14, 1995 through November 3, 1995.

## *Office of Printing & Photographic Services*

Vanda Manprasert, High School Senior, Winston Churchill High School. Office of Photographic Services. Work on NAA copywork and black and white printing. Scan images into electronic format for database in World Wide Web use. Assist photographers in studio as needed. September 5, 1995 through June 1, 1996.

## *Office of Public Affairs*

Rosane Maria Rocha de Carvalho, Bachelors Degree, Museum of the Republic. Assisted the Office of Public Affairs with marketing programs, multimedia and computer programs October 24, 1994 through December 19, 1994.

Colleen Hershberger, Smith College. Advertising. Publicity and promotions for 1995 Festival of American Folklife, craft show, and other projects. April 24, 1995 through September 24, 1995.

Craig Lambert, Bachelors Candidate, University of New Hampshire. Work on 150th anniversary public relation projects. June 1, 1995 through August 31, 1995.

## *Office of the Secretary*

Elizabeth Hart, High School Student, Sidwell Friends School. Biodiversity and Environmental Affairs. Assisting with the Smithsonian Earth Day Conference on Biodiversity. January 24, 1995 through April 28, 1995.

## *Office of Smithsonian Institution Archives*

Morgan Andreae, Bachelors Degree. Institutional History/Joseph Henry Papers Project. Compile a database of Joseph Henry quotations which provide insight on certain key issues in the history of the Smithsonian. He will also be exposed to techniques of documentary editing. June 6, 1995 through August 18, 1995.

Anne Armstrong, Bachelors Candidate, James Madison University. Institutional History. Researching the history of Smithsonian art museums and creating a database of the information. June 12, 1995 through August 26, 1995.

Eleanor Curry, Bachelors Candidate, Smith College. Smithsonian Institution Archives. Records of William Jores Rhees - Smithsonian Institution Archives. September 5, 1995 through December 25, 1995.

Kalia Edmonds, Bachelors Candidate, Smith College. Archives Division. Accessions 1834-1958, Smithsonian Institution Archives. September 5, 1995 through December 20, 1995.

Susan W. Haskell, Bachelors Degree. Office of Smithsonian Archives. Appraise, arrange, describe, and preserve a large collection of records of the History of Science Society. August 7, 1995 through October 13, 1995.

Bethany Leigh Johnson, Bachelors Candidate, Princeton University. Joseph Henry Papers. Compile a database of newspaper accounts of the Smithsonian during the 1850s



focusing on the coverage of Joseph Henry's clash with Charles Jewett over future control and direction of the Institution. Documentary editing. June 5, 1995 through August 11, 1995.

Rebecca L. McCadney, Bachelors Candidate, Carnegie Mellon University. Assisting historian in research for a project on former Smithsonian Institution Secretary S.

Dillon Ripley. June 5, 1995 through August 18, 1995. Shawn A. Thompson, Bachelors Candidate, Smith College. Smithsonian Institution

Archives. Assisting in the 150th anniversary exhibitions. September 5, 1995 through December 23, 1995.

## *Office of Sponsored Projects*

Michael Aaron Barnes, Bachelors Candidate, Washington and Jefferson College. Developing a survey to collect staff's academic/program interests for which they need external funding. Set up a database and enter the information once it is collected. June 5, 1995 through August 25, 1995.

Idana Bonsi, Bachelors Candidate, Alabama A&M University. Perform a study on projected financial impact analysis. June 5, 1995 through August 11, 1995.

Janet L. Dauber, Bachelors Degree, Mount Union College. Assist in pre-award administrative functions, including e-mail and database duties and assisting Grant Contract Administrator in proposal development and administration. February 3, 1995 through June 30, 1995.

Sarah A. de Agüero, Bachelors Candidate, University of South Florida. Office of Sponsored Projects. I will be designing, writing, and editing a technical manual for the Post-Award division of the Office of Sponsored Projects. The manual will detail the services provided to the Smithsonian principle investigators. July 5, 1995 through August 11, 1995.

Courtney Lenhard, Bachelors Candidate, Whittier College. Assisting financial analysts in preparing corrected invoices and in analyzing indirect costs. Reviewing monthly financial reports to identify deficits. June 5, 1995 through August 4, 1995.

Julianne Simpson, Masters Candidate, Arizona State University. Assist in developing a management curriculum for Finance and Administration and assist in development of a pan-institutional matrix of responsibilities for federal regulations and compliance for the Smithsonian. June 26, 1995 through July 28, 1995.

## *Smithsonian Environmental Research Center*

M. Carole Anderson, Bachelors Candidate, Agnes Scott College. Spicebush research, especially insect interactions with plant; also bird predation on larvae that feed on spicebush. June 5, 1995 through August 18, 1995.

Allison Eddy Blouin, Bachelors Candidate, St. John's College. Studying rate of soil efflux of CO<sub>2</sub> from forest floor. May 22, 1995 through August 11, 1995.

Cynthia Boyer, Bachelors Degree. Intern in the education and public programs department. March 6, 1995 through May 26, 1995.

Andrea L. Craig, Bachelors Degree, Allegheny College. Effects of UV radiation on phytoplankton in Chesapeake Bay. May 1995 through August 1995.

Charlee H. Darby, Bachelors Candidate, Washington College. Amoebae in shipballast. June 5, 1995 through August 18, 1995.

Manuel Gottschick, Bachelors Candidate, Fachhochschule, Hamburg. Forest canopy project. February 28, 1995 through August 31, 1995.

Lisa A. Hartman, Bachelors Degree, Hood College. To identify non-indigenous species of marine organisms entering the Baltimore and Norfolk harbors from the ballast water of cargo ships. May 22, 1995 through November 3, 1995.

Kirsten Hauser. Quantify identification in wetland systems using gas chromatography to detect N<sub>2</sub>O levels. February 27, 1995 through May 19, 1995.

Susan Njeri Mambo, Masters Candidate, Louisiana State University. Environmental education and research. Reviewing environmental education materials, leading canoe tours, seminars, explaining ecological research. March 12, 1995 through May 5, 1995.

Nancy Merrill, Bachelors Candidate, Cornell University. Assisting Mark Hadden. Filming an environmental education video aimed at middle schools. We are trying to show that environmental science is fun, exciting and important. June 5, 1995 through August 20, 1995.

Eleanor Milne, Masters Candidate, Essex University. The effects of elevated CO<sub>2</sub> on root respiration in a tidal marsh ecosystem. May 22, 1995 through August 25, 1995.

Nancy Polen, Bachelors Degree, Grove City College. Long term bird census with Dr. Jim Lynch. Research takes place on 30 acre plot with vegetation in a variety of successful stages. June 5, 1995 through August 18, 1995.

Tonya Kafi Rawlings, Bachelors Degree, Cornell University. Intern will be studying the blue crab/rock fish interactions in the Chesapeake Bay. May 6, 1995.

Francisca Saavedra, Masters Candidate, University of Florida. Canopy Lab. Collect data in forest and analyze it on computer. November 28, 1994 through February 3, 1995.

Gabriela W. Smalley, Bachelors Degree, University of Maryland. June 5, 1995 through August 25, 1995.

William G. Smithhart, Bachelors Candidate, Southwest Texas State University. To determine geological influences on water quality in study areas within the Chesapeake Bay watershed using available SERC resources and geographic information systems. May 22, 1995 through August 11, 1995.

Sasha I. Weinstein, Bachelors Degree, Brown University. Nutrient cycling in a constructed wetland. June 5, 1995 through August 25, 1995.

## *Smithsonian Institution Libraries*

Amy Cancienne, Masters Candidate, Louisiana State University. Museum Reference Center. Answering most frequently asked reference questions and developing packers. December 19, 1994 through January 6, 1995.

Teria A. Curry, Masters Candidate, Catholic University. Central Reference and Loan. Learning the range of interlibrary loan activities. April 16, 1995 through August 10, 1995.

Kimberly Matthews Graber, Masters Degree, Emporia State University. Museum Reference Center. Working on the organization of the Native American Museums vertical files, and newly obtained materials and actively soliciting updated materials. January 9, 1995 through March 9, 1995.

Marci Madaric, Masters Candidate, Louisiana State University. American History Library. Working with Worlds Fair Books deciding which ones to keep and which to discard along with some reference work. December 19, 1994 through January 6, 1995.

Dei Olson, Masters Degree, The American University, Museum Reference Center. Identify and prepare a guide on visitor evaluation studies. May 31, 1995 through December 31, 1995.

Debra Shumate, Masters Candidate, Catholic University. National Portrait Gallery & American Art Library. Professional librarianship, experience via practicum. August 29, 1995 through January 31, 1996.

Debra Shumate, Masters Candidate, Catholic University of America. National Postal Museum. Develop bibliography of the Colonial Post Office. January 12, 1995 through May 13, 1995.

## *Smithsonian Institution Travelling Exhibition Service*

Shannon Brown, Masters Candidate, Arizona State University. Contribute to the development of interpretive components and written materials for the traveling exhibition exotic illusions: art, romance and the marketplace. Drafting exhibition text for interactive and Audio Visual components, re-

searching photographs, library research, meeting with exhibition team, drafting text for gallery handout, exhibitor kits, participating in general office activities related to the SITES program. June 1, 1995 through August 11, 1995.

## *Smithsonian Institution Women's Committee*

Kelly O'Donnell, Masters Degree, University of San Diego. Assisting the women's committee with organizing records in order to publish anniversary book. January 23, 1995 through April 30, 1995.

## *Smithsonian Magazine*

Tonya E. Manuel, Bachelors Candidate, Hampton University. Gain an overall view of how the publication operates with an emphasis on editorial activities. Read and evaluate unsolicited manuscripts, working with an editor, doing research on an article and working in picture department. June 5, 1995 through August 4, 1995.

## *Smithsonian Tropical Research Institute*

Erasmus C. Gonzalez, High School Senior, Landon School. Office support work for Smithsonian Tropical Research Institute. May 15, 1995 through June 2, 1995.

Juan Posada Hostettler, Bachelors Degree, Universidad de los Andes. Researching plant response to elevated carbon dioxide levels. October 1, 1994 through December 31, 1994.

Robert McCormick, High School Senior. Landon School. Office support work for the Center for Tropical Forest Science. May 17, 1995 through June 2, 1995.

Elizabeth Stoel, Bachelors Candidate, Princeton University. Working in the office doing secretarial work and learning about acting as a liaison for offices and laboratories all over the world. June 5, 1995 through August 30, 1995.

## *The Smithsonian Associates*

Emily A. Allen, Bachelors Candidate, Harvard and Radcliffe Colleges. Provide support to TSA volunteer office, work on customer service training project, volunteer newsletter, etc. June 12, 1995 through August 24, 1995.

Michele Renee Cardin Bailey, Bachelors candidate, The University of Tampa. The Smithsonian Associates. Archiving, press releases, TSA operations etc. September 5, 1995 through December 15, 1995.

Betsy A. Baird, Masters Degree, Dartmouth. Resident Associate Program. Assisting in the Resident Associate Program programming. July 31, 1995 through June 30, 1996.

Jennifer Bergeron, Bachelors Degree, U Mass-Dartmouth, Liberal Arts and Special Events. Assist Program Coordinator with general office work in addition to work on special projects. July 12, 1995 through August 25, 1995.

Lyra J. Colfer, Bachelors Candidate, Cornell University. The Young Associates. Work on fall activities: scholarship program, Family Halloween Party, research prospective films and tours, other duties as assigned. September 5, 1995 through December 6, 1995.

Kimberly A. Geiler, Bachelors Candidate, Trinity University. Office of Public Affairs. Assisting with press releases, archiving, and the Smithsonian Associates operations. May 15, 1995 through August 11, 1995.

Mark A. Nakamura, Bachelors Candidate, University of California, Santa Cruz. Marketing/Development. I will be providing support in all areas of marketing and development at the Smithsonian Associates. In addition, I will be working on several photography projects for the Associates. September 20, 1995 through December 6, 1995.

Anne M. Shoemake, Bachelors Candidate, University of the South. Programming assistant for domestic tours and the Odyssey program. June 5, 1995 through August 5, 1995.

Daisy H. Voorhees, Bachelors Candidate, Wesleyan University. The Young Associates. Coordinate the Smithsonian Summer camp. Responsibilities include oversight for the daily operation of the camp and logistical planning in advance of the Summer Camp session. June 12, 1995 through August 11, 1995.

Blythe E. Wallgren, Bachelors Candidate, George Washington University. Young Benefactors. Coordinate the Young Benefactors annual silent auction. Work with young benefactors committee members and local area merchants. Work with Young Benefactors liaison at special events including the annual gala. May 15, 1995 through September 22, 1995.

Michele Winkler, Bachelors Degree, Pennsylvania State University. Visual Arts/Studio Arts. Assisting in various administrative procedures which include conducting research, marketing of programs, assisting at council meetings, writing memos and letters, and attending workshops and classes. February 13, 1995 through June 9, 1995.

## Research Associates

Research Associates status is conferred by the Provost on individuals from outside the Institution who are conducting ongoing research in areas in which the Smithsonian has collections or expertise. Research Associates are granted access to the Institution's facilities and reference resources and often consult or collaborate with Smithsonian researchers. Most appointments of Research Associates are for a duration of three years and are renewable. The following is a list of individuals who held the title of Research Associates during fiscal year 1995.

### *Office of the Provost*

Dr. Wilton S. Dillon

### *Center For Folklife Programs and Cultural Studies*

Mr. Kenneth Bilby

### *Conservation Analytical Laboratory*

Dr. Veletta Canouts

### *Freer Gallery of Art/Arthur M. Sackler Gallery*

Dr. Esin Atil  
Ms. Elizabeth West Fitzhugh  
Mrs. Mary S. Slusser

### *National Air and Space Museum*

Dr. Tsevi Mazeh  
Dr. Vladimir Strelnitski

### *National Museum of African Art*

Dr. Labelle Prussin

### *National Museum of American Art*

Dr. Wanda M. Corn  
Dr. Charles C. Eldredge

### *National Museum of Natural History*

#### *Anthropology Department*

Dr. William P. Barse  
Dr. Michael L. Blakey  
Dr. Ernest S. Burch, Jr.  
Dr. Anita G. Cook  
Dr. Gillian Feeley-Harnik  
Dr. Ann Fienup-Riordan

Dr. Don Fowler  
Dr. Catherine S. Fowler  
Dr. George C. Frison  
Dr. John M. Fritz  
Dr. James Lowell Gibbs, Jr.  
Dr. James B. Griffin  
Dr. Kris L. Hardin  
Dr. Catherine A. Hawks  
Dr. Richard T. Koritzer, D.D.S.  
Dr. Corinne Ann Kratz  
Dr. Bonnie S. Magnes-Gardiner  
Dr. Betty J. Meggers  
Dr. Michael D. Petraglia  
Dr. Stephen R. Potter  
Dr. Bruce D. Ragsdale  
Dr. Mara E. Rosenthal  
Dr. Robert G. Schmidt  
Dr. Douglas Siegel-Causey  
Dr. Kenyan G. Tomaselli  
Dr. John W. Verano  
Ms. Mildred Mott Wedel  
Dr. John E. Yellen

#### *Botany Department*

Dr. Lisa Ceryle Barnett  
Dr. Carol J. Bult  
Dr. Jose Cuatrecasas  
Dr. Joseph H. Kirkbride, Jr.  
Dr. Elbert L. Little  
Dr. Diane S. Littler  
Dr. Alicia Lourteig  
Dr. John J. Pipoly, III  
Dr. Velva E. Rudd  
Dr. William Louis Stern

#### *Entomology Department*

Dr. David N. Adamski  
Dr. Annette Aiello  
Mr. Donald M. Anderson  
Dr. William E. Bickley  
Dr. Harley P. Brown  
Dr. Margaret S. Collins  
Dr. Gregory W. Courtney  
Dr. Eduardo Dominguez  
Dr. Lance Durden  
Dr. Robert L. Edwards  
Dr. Neal L. Evenhuis  
Dr. Adrian B. Forsyth  
Dr. Amnon Freidberg  
Dr. Robert D. Gordon  
Dr. Ralph E. Harbach  
Dr. Paul M. Marsh  
Dr. Scott E. Miller

Dr. Charles Mitter  
 Dr. Paul A. Opler  
 Dr. Philip D. Perkins  
 Dr. Robert V. Peterson  
 Mr. E. L. Peyton  
 Dr. Dan A. Polhemus  
 Dr. John T. Polhemus  
 Dr. Patricia Gentili Poole  
 Dr. Robert W. Poole  
 Mr. Curtis Sabrosky  
 Dr. Silvia Santiago-Fragoso  
 Dr. Jay C. Schaffer  
 Dr. Nikolaj Scharff  
 Dr. Jeffrey W. Shultz  
 Mr. Theodore J. Spilman  
 Dr. Robert Traub  
 Dr. David P. Wooldridge  
 Dr. Frank N. Young

#### *Invertebrate Zoology Department*

Dr. G. Denton Belk  
 Dr. Darryl L. Felder  
 Dr. Gordon L. Hendler  
 Dr. John R. Holsinger  
 Dr. E. Taisoo Park  
 Mr. Richard E. Petit  
 Dr. Donald C. Potts  
 Dr. Marjorie L. Reaka  
 Dr. Janet W. Reid  
 Dr. Edward E. Ruppert  
 Dr. James D. Thomas

#### *Paleobiology Department*

Dr. William I. Ausich  
 Dr. Raymond L. Bernor  
 Dr. Annalisa Berta  
 Dr. Robyn Burnham  
 Dr. Zhongyuan Chen  
 Dr. James M. Clark  
 Dr. Stephen J. Culver  
 Dr. John D. Damuth  
 Dr. Daryl P. Domning  
 Dr. J. Thomas Dutro, Jr.  
 Dr. Ralph E. Eshelman  
 Dr. Jerzy Fedorowski  
 Dr. Thomas G. Gibson  
 Dr. Nigel Hughes  
 Dr. Paul L. Koch  
 Dr. Carl F. Koch  
 Dr. Sergius H. Mamay  
 Dr. Christopher G. Maples  
 Dr. Jerry N. McDonald  
 Dr. Robert B. Neuman

Dr. William A. Oliver, Jr.  
 Dr. Lisa E. Osterman  
 Dr. John Pojeta, Jr.  
 Dr. Kenneth D. Rose  
 Dr. William J. Sando  
 Dr. David E. Schindel  
 Dr. Judith Skog  
 Dr. Anthony Socci  
 Dr. Norman F. Sohl  
 Dr. I. Gregory Sohn  
 Dr. Steven M. Stanley  
 Dr. Hans-Dieter Sues  
 Dr. Kammer W. Thomas  
 Dr. Joshua I. Tracey  
 Dr. James W. Valentine  
 Dr. Andrew G. Warne  
 Dr. David Bruce Weishampel  
 Dr. Frank C. Whitmore  
 Dr. Debra A. Willard  
 Dr. Christopher Wnuk  
 Dr. Keddy Yemane  
 Dr. Ellis L. Yochelson

#### *Vertebrate Zoology Department*

Dr. Ronald Altig  
 Dr. Aaron M. Bauer  
 Mr. Bruce M. Beehler  
 Dr. Eleanor D. Brown  
 Dr. Robert L. Brownell  
 Dr. John R. Burns  
 Dr. John E. Cadle  
 Dr. Philip J. Clapham  
 Dr. Kenneth Dodd  
 Dr. Andrezej Elzanowski  
 Dr. Louise H. Emmons  
 Dr. Carl H. Ernst  
 Dr. William Fink  
 Ms. Sara V. Fink  
 Dr. Thomas H. Fritts  
 Dr. J. Whitfield Gibbons  
 Dr. David A. Good  
 Dr. Catherine Hawks  
 Dr. Lawrence R. Heaney  
 Dr. Richard Highton  
 Dr. Aleta Hohn  
 Dr. Peter W. Houde  
 Mr. Ivan Ineich  
 Mrs. Phyllis R. Isler  
 Mr. Morton L. Isler  
 Dr. Elisabeth Kalko  
 Dr. Roy K. Kropp  
 Ms. Roxie C. Laybourne  
 Dr. Bradley C. Livezey  
 Dr. Jonathan B. Losos

Dr. Linda E. Resnik Maxson  
 Mr. Roy W. McDiarmid  
 Dr. Naercio Menezes  
 Mr. Joseph C. Mitchell  
 Dr. Guy G. Musser  
 Dr. Rafael Omar de Sa  
 Dr. Hidetoshi Ota  
 Dr. William Perrin  
 Mr. Gregory K. Pregill  
 Dr. John E. Randall  
 Hon. S. Dillon Ripley, II  
 Dr. Sentiel A. Rommel  
 Dr. William F. Smith-Vaniz  
 Mr. Wayne C. Starnes  
 Dr. David L. Stein  
 Mr. Ian R. Swingland  
 Dr. Merrill Varn  
 Mr. Richard J. Wassersug  
 Dr. E. O. Wiley

#### *National Zoological Park*

Dr. Mary Katherine Carlstead  
 Dr. Ademar Coimbra-Filho  
 Dr. Perry S. Barboza  
 Dr. Susan D. Crissey  
 Dr. Kim C. Derrickson  
 Dr. James M. Dietz  
 Dr. Wolfgang Dittus  
 Dr. John F. Eisenberg  
 Dr. John M. Francis  
 Dr. Karen L. Goodrowe  
 Dr. Theodore I. Grand  
 Dr. Mary M. Hagedorn  
 Dr. Sara J. Iverson  
 Dr. David W. Johnston  
 Dr. Thomas H. Kunz  
 Dr. Brian Miller  
 Dr. Dale Miquelle  
 Dr. Steven L. Monfort  
 Dr. James B. Murphy  
 Dr. Donald H. Owings  
 Dr. Stephen J. O'Brien  
 Dr. Thomas W. Quinn  
 Dr. William F. Rall  
 Mr. Alfred Rosenberger  
 Dr. Stephen I. Rothstein  
 Dr. Mitchel Schiewe  
 Dr. George Schwede  
 Dr. Norman J. Scott, Jr.  
 Dr. Michael Stuwe  
 Dr. Steven D. Thompson

Dr. Duane E. Ullrey  
Dr. Samuel K. Wasser  
Dr. Per Wegge  
Dr. Elsie May Widdowson  
Dr. Kevin Winker

*Conservation Research  
Center/National  
Zoological Park*

Dr. Govindasamy Agoramoorthy  
Dr. Joel Berger  
Dr. W. Don Bowen  
Dr. Scott Creel  
Dr. John G. Frazier  
Dr. Mary Victoria McDonald  
Dr. Charles W. McDougal

Dr. William J. McShea  
Dr. Richard R. Tenaza  
Dr. Paul Weldon

*Office of the Smithsonian  
Institution Archives/  
Joseph Henry Papers*

Dr. Albert E. Moyer

*Smithsonian Astrophysical  
Observatory*

Dr. Alastair Cameron  
Dr. Alyssa Goodman  
Dr. Josh Grindlay  
Dr. Robert Kirshner  
Dr. Chris Kochanek  
Dr. Avi Loeb  
Dr. Jane Luu  
Dr. Ramesh Narayan  
Dr. William Press

*Smithsonian Tropical  
Research Institute*

Dr. Peter Shaw Ashton  
Dr. Stephen P. Hubbell

# Award Activity at the Smithsonian Institution in Fiscal Year 1995

The following two tables list only those grants and contracts that were awarded to Smithsonian Institution offices and bureaus during fiscal year 1995. Ongoing grants and contracts that were originally awarded in previous fiscal years are not included here.

Award Activity at the Smithsonian Institution

Bureau	Principal Investigator	Sponsor	Award Title	Date Awarded	Purpose	Total Awarded
AM	Felton	Freddie Mac Foundation	Anacostia Museum/Moten Elementary School Partnership SUBTOTAL ( 1 )	10/04/94	EDUC	10,000 10,000
CAL	Van Zelst	Kress Foundation	Archaeological Conservation Internship Program	01/02/94	RESE	2,500
CAL	Mecklenburg	Department of Interior	The Development of General Guidelines for Setting Safe Allowable Temperature Fluctuations for Museums	11/03/94	RESE	38,998
CAL	Van Zelst	Department of Interior	Development of an Evaluation Methodology for Cleaning Damage Assessment	10/18/94	RESE	39,908
CFPCS	Franklin	Fundacao Calouste Gulbenkian	Cape Verde Islands Program at the 1995 Festival of American Folklife	12/14/94	EXHI	81,406
CFPCS	Kurin	Iowa Statehood Sesquicentennial Comm.	Iowa Program, 1996 Folklife Festival	03/08/95	EXHI	20,000 250,000
CFPCS	Kennedy	Trust for Mutual Understanding	Russian Folklife Program, 1995	05/04/95	EXHI	25,000
CFPCS	Kennedy	Trust for Mutual Understanding	Czech Folklife Program, 1995	05/04/95	EXHI	15,000 30,000
Cooper-Hewitt	Flinchum	State of New York	Henry Dreyfus: Directing Design-Implementation	11/04/94	EDUC	8,000
Cooper-Hewitt	James	State of New York	Audience Outreach Publications Program	03/02/95	PUBL	27,500
Cooper-Hewitt	Shinn	State of New York	Planning for Study—Storage of Decorative Arts Collection	05/16/95	MISC	10,000
Cooper-Hewitt	Yelavich	State of New York	The North American City	05/16/95	EXHI	10,000 55,500
HMSG	Benezra	German Institute for Foreign Affairs	Balkenhol Exhibit SUBTOTAL ( 1 )	07/01/95	EXHI	7,166 7,166
IC	Hyatt	Mid-Western Universities Consortium	Natural Resource Conservation and Historic Preservation in Ghana	04/28/95	RESE	197,162
			SUBTOTAL ( 1 )			197,162

Bureau	Principal Investigator	Sponsor	Award Title	Date Awarded	Purpose	Total Awarded
NAAMP	Willis	Glen Eagles Foundation	Equal Rights and Justice	05/05/95	EXHI	20,000
			SUBTOTAL ( 1 )			20,000
NASM	Engle	Earth Observation Satellite Company	Amazonia from Space	12/06/94	RESE	9,230
NASM	Herken	Department of Energy	Advisory Committee on Human Radiation Experiments	10/31/94	MISC	68,272
NASM	Herken	Department of Energy	Advisory Committee on Human Radiation Experiments	04/03/95	RESE	65,284
NASM	Watters	State of California/NASA	Science Information Infrastructure for Access to Earth/Space Science Data through Science Museums	08/10/95	RESE	47,662
NASM	Jacobberger-Jellison	United Nations Environment Programme	Design of Exhibit on Grasslands: Bright Edges of the World	08/01/95	EXHI	35,200
NASM	Harwit	National Aeronautics and Space Administration	European Space Agency Infrared Space Observatory	02/15/95	RESE	90,115
NASM	Zimbelman	National Aeronautics and Space Administration	1:500,000 Scale Geologic Mapping of the Tharsis Montes on Mars	06/22/95	RESE	15,000
NASM	Zimbelman	National Aeronautics and Space Administration	Regional Planetary Image Facility	11/11/94	RESE	11,000
NASM	Zimbelman	National Aeronautics and Space Administration	Regional Planetary Image Facility	04/24/95	RESE	18,715
NASM	Smith	National Aeronautics and Space Administration	Metal Mesh Fabrication and Testing for Infrared Astronomy	12/19/94	RESE	36,861
NASM	Smith	National Aeronautics and Space Administration	ISO & Metal Mesh Fabrication & Testing for Infrared Astronomy	09/05/95	RESE	40,000
NASM	Campbell	National Aeronautics and Space Administration	Comparative Geologic Investigations of Venus and the Earth Using Imaging Radar and Topographic Analysis	05/09/95	RESE	25,547
NASM	Zimbelman	National Aeronautics and Space Administration	Simulation of Lava Flow Emplacement on the Terrestrial Planets	04/24/95	RESE	19,000
NASM	Cradlock	National Aeronautics and Space Administration	Geologic Mapping of the Northwestern Isidis Planitia Region of Mars	03/24/95	RESE	14,000
NASM	Campbell	National Aeronautics and Space Administration	Geologic Studies of Volcanic Terrains on Venus Based on Radar Data Analysis	10/03/94	RESE	34,146
NASM	Maxwell	National Aeronautics and Space Administration	Tertiary through Recent Landscape Evolution in the Northeast Sahara	01/24/95	RESE	50,000
NASM	Maxwell	National Aeronautics and Space Administration	Geomorphic Analyses of the Martian Highlands	03/17/95	RESE	8,418
NASM	Maxwell	National Aeronautics and Space Administration	Geomorphic Analyses of the Martian Highlands	03/06/95	RESE	17,002
NASM	Maxwell	National Aeronautics and Space Administration	Geomorphic Analysis of the Martian Highlands	05/26/95	RESE	49,500



Award Activity at the Smithsonian Institution (*cont'd.*)

Bureau	Principal Investigator	Sponsor	Award Title	Date Awarded	Purpose	Total Awarded
NASM	Greenhouse	National Aeronautics and Space Administration	Infrared Coronal Lines of Active Galactic Nuclei	10/19/94	RESE	25,000
NASM	Makovenyi	National Aeronautics and Space Administration	"Violent Universe" Exhibit—The Compton Gamma Ray Observatory	01/20/95	EXHI	22,950
NASM	Brennan	National Aeronautics and Space Administration	How Things Fly Exhibit	02/10/95	EXHI	700,000
NASM	Brennan	National Aeronautics and Space Administration	How Things Fly	04/24/95	RESE	350,000
NASM	Goldstein	Space Telescope Science Institute, AURA, Inc.	Voyage: A Walking Educational Sculpture on the National Mall	02/09/95	EDUC	20,000
NASM	Campbell	National Aeronautics and Space Administration	Geologic Investigation of the Mead Quadrangle of Venus	04/24/95	RESE	8,332
NASM	Smith	National Aeronautics and Space Administration	Infrared Hydrogen Recombination Line Lasers in MWC 349	09/15/95	RESE	40,887
NASM	Greenhouse	National Aeronautics and Space Administration	Technology Development of Far Infrared Filters	08/07/95	RESE	39,000
NMAA	Brownstein	L.J. Skaggs and Mary C. Skaggs Fdn	SubTOTAL (27)			1,861,121
NMAH	Finn	Department of Energy	If This House Could Talk	01/26/95	EXHI	10,000
NMAH	Finn	Department of Energy	SubTOTAL (1)			10,000
NMAH	Kondratas	State of Maryland	Exhibit "Lighting a Revolution" (refurbishment)	10/13/94	EXHI	90,000
NMAI	Hanley	Heard Museum	Exhibit "Lighting a Revolution" (refurbishment)	09/27/95	EXHI	50,000
NMAI	Rapkievian	J. D. and C. T. MacArthur Fdn	Support for National Medical Collections at NMAH	12/15/94	MISC	15,767
NMAI	Weatherford	J. D. and C. T. MacArthur Fdn	SubTOTAL (3)			155,767
NMAI	Merritt	International Institute for Conservation of Historic ...	Shared Visions Symposium	11/03/94	MISC	17,163
NMNH	Fitzhugh	Amoco Eurasia Petroleum Company	Public Education Programs at the Heye Center	11/29/94	EDUC	50,000
NMNH	Fitzhugh	Amoco Eurasia Petroleum Company	Native Media Arts Conference and Native Film/Video/Audio Festival	01/25/95	EDUC	50,000
NMNH	Lirtler	Marpat Foundation	IIC-CC Conference—Calgary	03/15/95	EDUC	1,000
NMNH	Emry	National Geographic Society	SubTOTAL (4)			118,163
NMNH	Starnes	The Washington Biologists' Field Club	The Living Yamal, A Blueprint for the Survey of Native Heritage and Cultural Resources on the Yamal	01/31/95	RESE	3,650
NMNH	Emry	National Geographic Society	The Living Yamal, A Blueprint for the Survey of Native Heritage and Cultural Resources on the Yamal	04/10/95	RESE	160,000
NMNH	Emry	National Geographic Society	Ecology and Biosystematics of the Great Astrolabe Reef Marine Plants	12/07/94	RESE	29,738
NMNH	Emry	National Geographic Society	Tertiary vertebrate paleontology, biostratigraphy, and paleobiology of Kazakhstan	02/09/95	RESE	43,600
NMNH	Starnes	The Washington Biologists' Field Club	Inventory of the Current Diversity of Fishes in Vicinity of Plummer's Island	03/06/95	RESE	4,928

Bureau	Principal Investigator	Sponsor	Award Title	Date Awarded	Purpose	Total Awarded
NMNH	Rogers	H. John Heinz III Charitable Trust	Society and Ecology in the Early Contact Period: Surface Collections from Two Sites in the Toluca V	03/07/95	RESE	6,624
NMNH	Barse	H. John Heinz III Charitable trust	Venezuela Test Excavations at the Site of Pozo Azul Sur-2, Amazonas State,	03/30/95	RESE	7,062
NMNH	Dallmeier	J. D. and C. T. MacArthur Fdn	International Biodiversity Forest Monitoring Symposium	04/26/95	EDUC	15,000
NMNH	Sikes	LSB Leakey Fdn	Floral Microhabitat Reconstruction at Olduvai Gorge by Stable Isotope Analysis of Paleosols	05/25/95	RESE	3,500
NMNH	Skog	Missouri Botanical Garden	Flora of China	03/20/95	RESE	16,761
NMNH	Kress	National Science Foundation	National Museum of Natural History Research Training Program	01/23/95	EDUC	50,000
NMNH	Oswald	National Science Foundation	Phylogeny and Evolution of Antlions and their Allies: Neuroptera: Myrmeleontiodia	12/14/94	RESE	180,000
NMNH	MacPherson	National Science Foundation	Support for the Annual Meteorological Society Meeting, Sept. 11-15, 1995	01/18/95	RESE	10,000
NMNH	MacPherson	National Science Foundation	Support for the Annual Meteorological Society Meeting, Sept. 11-15, 1995	07/18/95	RESE	2,862
NMNH	Kingston	National Science Foundation	The Use of King Island Inupiat Songs and Dances in Preserving Cultural Identity	03/24/95	RESE	40,048
NMNH	Kensley	National Science Foundation	Sorting Collections from Polar Regions	09/22/95	RESE	250,000
NMNH	Mathis	National Science Foundation	PEET: Monographic Research in the Diptera	08/31/95	EDUC	125,144
NMNH	Wilson	Agency for International Development	Biological Dynamics of Forest Fragments Project	09/26/95	RESE	110,000
NMNH	Anklam	Department of Commerce	Stormy Weather	01/01/95	RESE	58,163
NMNH	Graves	Department of Defense	Genetic Management of Swainson's Warbler	09/20/95	RESE	50,000
NMNH	Dallmeier	Department of State	Smithsonian MAB Biodiversity Symposium/EcoNet America	04/14/95	RESE	35,000
NMNH	Acevedo	Department of Agriculture	The Vines of Puerto Rico and the Virgin Islands	09/05/95	RESE	10,000
NMNH	MacPherson	National Aeronautics and Space Administration	Studies of Correlated Isotopic/Petrologic/Trace Element Systematics	11/23/94	RESE	44,791
NMNH	MacPherson	National Aeronautics and Space Administration	Isotopic, Petrologic, and Trace Element Studies of Primitive Solar System Material	08/16/95	RESE	244,845
NMNH	MacPherson	National Aeronautics and Space Administration	Support for the 58th Annual Meteorological Society Meeting	03/02/95	RESE	19,986
NMNH	Fauchald	Department of Interior	Disposition of Biological Specimens of the Outer Continental Shelf	10/28/94	RESE	200,000
NMNH	Kensley	National Institutes of Health	Operation of a Registry of Tumors in Lower Animals	12/13/94	RESE	356,807
NMNH	Hershler	Department of Interior	Taxonomic Validation of Freshwater Snails	10/06/94	RESE	638
NMNH	Dallmeier	UNESCO	Support for the International Biodiversity Forest Monitoring Symposium	05/17/95	EDUC	10,000
NMNH	Stanford	Department of Interior	Report on Ute Burial Sites in Glenwood Spring Regional Area	07/31/95	RESE	3,000
NMNH	Ubelaker	MAAR Associates, Inc.	Bay Vista Site Cremation and Burial Analysis	09/08/95	RESE	1,500
NMNH	Bell	National Institutes for Health	Support for Mounting of Herbarium Specimens	09/19/95	RESE	4,253
NMNH	Norenburg	National Institutes for Health	Maintaining voucher collection of marine animals and plants	09/19/95	RESE	9,999
SUBTOTAL (33)						2,107,899

Award Activity at the Smithsonian Institution (*cont'd.*)

Bureau	Principal Investigator	Sponsor	Award Title	Date Awarded	Purpose	Total Awarded
NPHPM	Bruns	U.S. Postal Service	National Postal Museum, Annual Operating Budget, FY94	12/21/94	EXHI	557,800
NPHPM	Bruns	U.S. Postal Service	National Postal Museum, Annual Operating Budget, FY1995	12/21/94	EXHI	2,575,000
NPHPM	Bruns	U.S. Postal Service	Capital Reserve for HVAC Systems	12/21/94	EXHI	126,300
			SUBTOTAL (3)			3,259,100
NZP	Beck	Frankfurt Zoological Society	Reintroduction of Golden Lion Tamarins—1995	07/01/95	RESE	86,400
NZP	Robinson	FONZ	FONZ Grant Program 1993	10/31/94	RESE	569,504
NZP	Robinson	FONZ	FONZ Grant Program 1994	10/31/94	RESE	524,900
NZP	Robinson	FONZ	FONZ Grant Program 1995	03/24/95	RESE	524,957
NZP	Kleiman	World Wildlife Fund	Golden Lion Tamarin Conservation Program	10/04/94	RESE	71,565
NZP	Muchoney	Inter-American Development Bank	Evaluación Rapida de Cambios Forestales en Honduras (Honduras Rapid Forest Change Evaluation)	03/02/95	RESE	79,925
NZP	Dittus	EARTHWATCH	Behavioral and Ecological Relations Among Groups of Wild Macaques of Sri Lanka	01/26/95	RESE	79,200
NZP	Roth	Morris Animal Foundation	Developing Assisted Reproductive Technologies in the Endangered Scimitar-Horned Oryx	09/26/95	RESE	13,500
NZP	Dittus	National Science Foundation	Male Fitness and Life Histories in Wild Primates	08/16/95	RESE	50,000
NZP	Rappole	Department of Interior	Deer and Biodiversity	08/02/95	RESE	15,000
NZP	Rappole	Department of Interior	Deer and Biodiversity (formerly Effect of White-tailed Deer on Vertebrate Communities)	04/18/95	RESE	7,500
NZP	Ofedal	State of Tennessee	Determinants of Reproductive Competence in Callitrichids	05/25/95	RESE	61,986
NZP	Wildt	National Institutes for Health	Gamete Interaction and Embryo Development	12/08/94	RESE	149,212
NZP	Hagedorn	State of Maryland	Cryopreservation of Teleost Embryos	03/27/95	RESE	8,925
NZP	McShea	Department of Agriculture	The effect of forest stand improvements on select flora and fauna within active...forest stands	08/21/95	RESE	45,000
NZP	Swanson	National Institutes of Health	Understanding and Control of Reproduction in Felids	07/01/95	RESE	69,508
NZP	McShea	Department of Interior	The Science of Overabundance: The Ecology of Unmanaged Deer Populations	12/19/94	MISC	5,000
NZP	Greenberg	Nature Conservancy	The Impact of Bird Populations in Coffee Plantations in the Buffer Zone of the Sierra de las Minas	01/10/95	RESE	24,130
NZP	Rappole	Department of Interior	Golden-cheeked Warbler Wintering Habitat Delineation	09/11/95	RESE	49,470
NZP	Hagedorn	National Institutes of Health	Preservation of Genetic Lines in a Non-Mammalian System	08/28/95	RESE	92,090
NZP	Howard	National Institutes of Health	Fertility and Enhanced Reproduction in Rare Feline Models	07/07/95	RESE	15,934
NZP	Fleischer	State of Hawaii	Genetic Structure in Prehistoric Nene Populations	11/16/94	RESE	9,000
NZP	Fleischer	National Institutes for Health	DNA Fingerprinting of Cebus Monkeys	03/21/95	RESE	1,100
NZP	McShea	Department of Interior	Ecology of North American Deer Population Symposium	05/12/95	EDUC	5,000
NZP	Fleischer	State of California	Giant Kangaroo Rat Genetic Research	09/05/95	RESE	6,000
			SUBTOTAL (25)			2,564,806
OASAH	Majewski	American Association of Museums	ADA and Museums Workbook Development Project	10/03/94	PUBL	1,000
			SUBTOTAL (1)			1,000

Bureau	Principal Investigator	Sponsor	Award Title	Date Awarded	Purpose	Total Awarded
OEA	Gradwohl	National Science Foundation	Ocean Planet: A Traveling Exhibition on Ocean Conservation	07/13/95	EXHI	136,234
			SUBTOTAL (1)			136,234
OESE	Lowderbaugh	The National Faculty	The Smithsonian-National Faculty Program	08/23/95	EDUC	10,000
OESE	Marable	District of Columbia	Water Planet	07/05/95	EDUC	31,994
			SUBTOTAL (2)			41,994
OTC	Horner	Wolf Trap Foundation for the Performing Arts	Folk Masters: Traditional Music in America	07/13/95	MISC	119,345
			SUBTOTAL (1)			119,345
Off of the Provost	Hoffmann	International Union for Conservation of Nature	Checklist Project	03/15/95	RESE	28,000
			SUBTOTAL (1)			28,000
Off of the Secretary	Lovejoy	Winslow Foundation	Seminar Series on Ecology and Economics	03/27/95	EDUC	20,500
Off of the Secretary	Lovejoy	Heinz Family Foundation	SI's Earth Day Conference on Biodiversity	03/27/95	EDUC	15,000
Off of the Secretary	Lovejoy	Carnegie Corporation of New York	SI Earth Day Conference on Biodiversity	05/04/95	EDUC	25,000
Off of the Secretary	Lovejoy	Heinz Family Foundation	Seminar Series on Ecology and Economics	05/17/95	EDUC	10,000
Off of the Secretary	Lovejoy	Mary Flagler Cary Charitable Trust	Earth Day Conference on Biodiversity	07/01/95	EDUC	10,000
Off of the Secretary	Lovejoy	Wallace Genetic Foundation	Earth Day Conference on Biodiversity	07/19/95	EDUC	10,000
			SUBTOTAL (6)			80,500
SERC	Hines	James C. Penney Foundation, Inc.	Penney Minority Internships	04/04/95	FELL	20,000
SERC	Correll	Chesapeake Research Consortium, Inc./NSF	Relating Nutrient Discharges to Geology and Landscape Pattern in the Chesapeake Bay Watershed	09/29/95	RESE	200,000
SERC	Coats	Chesapeake Research, Consortium Inc./NSF	Feeding Ecology of Mixotrophic Bloom-Forming Dinoflagellates	02/28/95	RESE	32,663
SERC	Ruiz	Department of Commerce	Susceptibility of Chesapeake Bay to Invasions of Non-Indigenous Species Associated w/Ballast Waste	02/06/95	RESE	62,827
SERC	Ruiz	Department of Defense	Study of Biological Invasions of the Chesapeake Bay by Non-Indigenous Species, Year 2	09/22/95	RESE	216,819
SERC	Whigham	Department of Interior	Reference Wetlands—Their Use in Wetland Functional Assessment	02/22/95	RESE	45,000
SERC	Lynch	The Nature Conservancy/CARE/USAID	Distributional Ecology of Birds and Amphibians in El Parque Nacional 'El Cusuco', Sierra de Merendon	01/13/95	RESE	14,038
SERC	Ruiz	North Atlantic Treaty Organization	Changes in Ballast Water Plankton Assemblages During Transoceanic Voyages	12/09/94	RESE	6,347

Award Activity at the Smithsonian Institution (*cont'd.*)

Bureau	Principal Investigator	Sponsor	Award Title	Date Awarded	Purpose	Total Awarded
SERC	Drake	Department of Energy	The effect of rising atmospheric CO <sub>2</sub> concentration on Production of Nitrogen Gases in Riparian forests Receiving Cropland Discharges	02/27/95	RESE	445,009
SERC	Jordan	Department of Agriculture		06/22/95	RESE	246,200
SERC	Correll	The Academy of Natural Sciences of Philadelphia	The Importance of Understanding Ecological Complexity to Predicting Effects of Multiple Stressors on	09/07/95	RESE	27,061
SERC	Parker	National Aeronautics and Space Administration	Indirect Characterization of Forest Canopy Structure—The View from Below	07/27/95	RESE	11,756
SERC	Whigham	Department of Agriculture	Using Constructed Wetlands for Control of Agricultural Runoff	12/16/94	RESE	19,000
SERC	Whigham	Department of Agriculture	Using Constructed Wetlands for Control of Agricultural Runoff	08/28/95	RESE	57,000
SERC	Whigham	Department of Agriculture	Reference Wetlands—Their Use in Wetland Functional Assessment	12/16/94	RESE	23,750
SERC	Correll	State of Maryland	German Branch Watershed Project, 10/93–9/94	05/03/95	RESE	16,900
SERC	Ruiz	Department of Interior	Ballast Water Escort Study	06/02/95	RESE	4,000
			SUBTOTAL (17)			1,448,370
SIL	Stanley	Getty Grant Program	African Art and Culture: An Index	02/28/95	RESE	197,250
			SUBTOTAL (1)			197,250
SITES	Cohn	Rockefeller Foundation	An Ocean Apart: Vietnamese Contemporary Art from the United States and Vietnam	01/06/95	EXHI	50,000
			SUBTOTAL (1)			50,000
STRI	Guzman	Honduras Coral Reef Fund	Operation of Research Station in Cochinos Cay, Honduras	04/10/95	RESE	536,000
STRI	Wright	Andrew W. Mellon Fdn	Collaboration in the Enhancement of Tropical Research	01/03/95	RESE	175,000
STRI	Condit	Fundacion Natura	Reforestation and Sustainable Activities in the Panama Canal Watershed	04/13/95	RESE	19,000
STRI	Coates	National Science Foundation	High-Speed Panamanian Telecommunications Network for Global Change Research	06/28/95	RESE	50,000
STRI	Wright	Department of Agriculture	Monitoring of Drought Stress Effects on Forest Species of Neotropics	04/28/95	RESE	19,200
STRI	Wright	United Nations Environment Programme	Biological Diversity and Microclimate of the Forest Company	11/24/94	RESE	40,000
STRI	Angehr	Department of Defense	Stability of Tropical Forests and Forest Fauna	09/25/95	RESE	515,000
STRI	De Alba	Department of Defense	Development of Culebra Marine Education Center	09/25/95	EDUC	44,000
STRI	De Alba	Department of Agriculture	Internship Program in Latin America	12/22/94	EDUC	10,500
STRI	Angehr	Department of the Army	Drug Development and Conservation of Biodiversity in West and Central Africa	09/11/95	RESE	112,760
STRI	Ibanez	University of Miami/NSF	Declining Amphibian Project	06/29/95	RESE	3,000
STRI	Ventocilla	Government of Canada	Informal Education in Art and Environment at Kuna Yala	04/28/95	EDUC	24,390
			SUBTOTAL (12)			1,548,850
			TOTAL OF ALL AWARDS RECEIVED (154)			14,409,633

Smithsonian Astrophysical Observatory Contracts and Grants for Fiscal Year 1995

Short Title	Principal Investigator	Project Mgr/Adm	Start Date	Value Sum Allotted	Sponsor
Cont. NAS5-32779	Forman	Vannelli	10/11/94	100,000	NASA-Goddard Space Flight Center
Science Driven SpectrumM	Forman	Vannelli	10/11/94	1,742,211	NASA-Goddard Space Flight Center
Groupus of Galaxies	David	Vannelli	10/15/94	48,549	NASA-Goddard Space Flight Center
Generic Mission Plan	Kleiner	Taylor	10/19/94	28,400	NASA-Goddard Space Flight Center
Atmosphere Nitric Oxide	Dalgarno	Sorenson	11/01/94	162,107	NASA-Goddard Space Flight Center
White Dwarf in V471TAU	Stauffer	Taylor	11/01/94	16,508	Space Telescope Science Institute
Nearby Radio Galaxies	Birkinshaw	Vannelli	12/01/94	10,137	NASA Headquarters
NASA SBIR Program	Nisenon	Yorke	12/01/94	21,400	Lexitek
Spectroscopy	Kurucz	Yorke	12/15/94	100,000	NASA-Goddard Space Flight Center
Self Consistent Models	Narayan	Sorenson	12/15/94	134,000	NASA-Goddard Space Flight Center
Gamma Ray Observations	Thaddeus	Burg	12/15/94	77,020	NASA-Goddard Space Flight Center
COBASE Program	Baliunas	Yorke	01/01/95	2,000	National Research Laboratory
Search for Black Holes	Garcia	Vannelli	01/01/95	103,000	NASA
Cont. NAGW-4272	Kurucz	Yorke	01/01/95	40,000	NASA Headquarters
Research Spectroscopy	Kurucz	Yorke	01/01/95	80,000	NASA Headquarters
Quasar Spectral Energy	Wilkes	Vannelli	01/01/95	70,000	NASA Headquarters
Trace	Golub	Wilson	01/01/95	2,754,786	Lockheed
Optical Emissivities	Raymond	Yorke	01/15/95	198,000	NASA Headquarters
Gamma-Ray Production	Fazio	Taylor	02/01/95	6,000	NASA-Goddard Space Flight Center
PI in the Sky	Jones	Vannelli	02/01/95	5,982	Space Telescope Science Institute
Access to Earth & Data	Murray	Vannelli	02/01/95	81,017	California Institute of Technology
Cont. SA1296-23336PG	Murray	Vannelli	02/01/95	55,000	California Institute of Technology
Refit and Ship Masers	Vessot	Gerdes	02/01/95	18,473	National Research Laboratory
Everyday Classroom Tool	Mandel	Vannelli	02/01/95	443,976	NASA-Goddard Space Flight Center
Public Outreach	Dow	Vannelli	02/01/95	10,759	Space Telescope Science Institute
Solar Wind Ion	Esser	Yorke	03/01/95	261,000	NASA Headquarters
Solar Probe Mission	Habbal	Yorke	03/01/95	330,000	NASA Headquarters
Astraea	Stefanik	Roudebush	03/01/95	20,000	Space Telescope Science Institute
Quasars & Active Galaxy	Wilkes	Vannelli	03/01/95	55,007	Space Telescope Science Institute
Glassware Assembly	Vessot	Politano	03/27/95	3,307	United States Naval Observatory
Formulation of Road Map	Reasenber	Silas	03/30/95	126,799	Jet Propulsion Laboratory
Lyman-Alpha Forest	Dobrzycki	Vannelli	04/01/95	6,288	Space Telescope Science Institute
NIXT and YOHKOH	Golub	Vannelli	04/01/95	89,960	NASA Headquarters
Absorbing Outflows	Mathur	Vannelli	04/01/95	33,000	Space Telescope Science Institute
Merging Clusters	Raychaudhury	Vannelli	04/01/95	6,508	NASA-Goddard Space Flight Center
Refit & Ship'mt Maser	Vessot	Gertes	04/17/95	12,000	National Research Laboratory
Radiation Measurement	Rothman	Sorenson	04/21/95	149,564	Bartell Laboratories
Solar Chromosphere	Kalkofen	Yorke	05/01/95	96,320	NASA Headquarters
Absorbing Outflows	Mathur	Vannelli	05/01/95	90,800	NASA Headquarters

Smithsonian Astrophysical Observatory Contracts and Grants for Fiscal Year 1995

Short Title	Principal Investigator	Project Mgr/Adm	Start Date	Value Sum Allotted	Sponsor
Rubidium Masers	Walsworth	Sorenson	05/01/95	34,754	Air Force Office of Sponsored Research
Refit & Ship Maser	Vessot	Politano	05/12/95	7,335	NRAO
Coma Cluster	Dow	Vannelli	06/01/95	11,466	NASA-Goddard Space Flight Center
Ninth Cambridge Workshop	Dupree	Yorke	06/01/95	12,000	NASA Headquarters
Spectral Analysis	Fabbiano	Vannelli	06/01/95	30,000	NASA-Goddard Space Flight Center
DIFOS Experiment	Kalkofen	Yorke	06/01/95	25,000	NASA Headquarters
Sun with Coronas-I	Karovska	Vannelli	06/01/95	49,000	NASA Headquarters
House 2MASS Telescope	Huchra	Feldman	06/08/95	88,781	University of Massachusetts
Cygnus A	Harris	Vannelli	06/15/95	10,339	NASA-Goddard Space Flight Center
Peculiar Hot Spots	Plucinsky	Vannelli	06/15/95	13,000	NASA-Goddard Space Flight Center
Radio Galaxy 3C 346	Worrall	Vannelli	06/15/95	10,144	NASA-Goddard Space Flight Center
Composite Remnant	Plucinsky	Vannelli	07/01/95	22,369	NASA-Goddard Space Flight Center
Points Mission	Reisenberg	Silas	07/01/95	89,993	NASA
LASCO/C1 Observations	Karovska	Vannelli	08/01/95	156,739	National Research Laboratory
Cont. No0014-95-1-124855	Silver	Vannelli	08/01/95	999,429	ONR
Spectrum of Quasars	Fiore	Vannelli	08/15/95	13,000	NASA-Goddard Space Flight Center
NSF Grant	Heller	Sorenson	08/15/95	55,000	Harvard
Hard X-ray Telescope	Gorenstein	Vannelli	09/01/95	101,465	NASA Headquarters
Excitation Mechanism	Hughes	Vannelli	09/01/95	9,184	Space Telescope Science Institute
Cont. NAG8-1046	Lorenzini/ Cosmo/Gulla	Williamson	09/15/95	99,987	NASA
High Resolution X-ray	Silver	Vannelli	09/15/95	311,100	NASA
Spectroscopy Mission	Tananbaum	Vannelli	09/15/95	164,600	NASA Headquarters
Total (61)				9,904,563	

Source: Contracts and Procurement Department of the Smithsonian Astrophysical Laboratory

# Publications of the Smithsonian Institution Press in Fiscal Year 1995

During fiscal year 1995, the Smithsonian Institution Press released more than 150 publications—including trade books, exhibition catalogs, monographs, symposium volumes, museum guides, brochures, pamphlets, videos, and sound recordings—the most important of which are listed below.

## University Press

Ardouin, Claude Daniel, and Emmanuel Arinze. *Museums and the Community in West Africa*. June 1995.

Arriaza, Bernardo T. *Beyond Death: The Chinchorro Mummies of Ancient Chile*. September 1995.

Ben-Amos, Paula Gershick. *The Art of Benin*. Revised edition. June 1995.

Bendix, Deanna Marohn. *Diabolical Designs: Paintings, Interiors, and Exhibitions of James McNeill Whistler*. May 1995.

Brigham, David R. *Public Culture in the Early Republic: Peale's Museum and Its Audience*. March 1995.

Brown, Dona. *Inventing New England: Regional Tourism in the Nineteenth Century*. March 1995.

Chaussonnet, Valérie, ed. *Crossroads Alaska: Native Cultures of Alaska and Siberia*. Copublished with the Smithsonian Institution Arctic Studies Center. September 1995.

Clark-Lewis, Elizabeth. *Living In. Living Out: African American Domesticity in Washington, D.C., 1910–1940*. October 1994.

Collar, N. J., M. J. Crosby, and A. J. Stattersfield. *Birds to Watch 2: The World List of Threatened Birds*. Distributed for BirdLife International. July 1995.

Cooper, J. E., ed. *Disease and Threatened Birds*. Distributed for BirdLife International. July 1995.

*Cottonwoods: Photographs by Robert Adams*. January 1995.

Craddock, Paul T. *Early Metal Mining and Production*.

Copublished with Edinburgh University Press. May 1995.

Croxall, J. P., ed. *Seabird Status and Conservation: A Supplement*.

Distributed for BirdLife International. July 1995.

Cullen, Jim. *The Civil War in Popular Culture: A Reusable Past*. March 1995.

Danly, Susan, and Cheryl Leibold. *Eakins and the Photograph: Works by Thomas Eakins and His Circle in the Collection of the Pennsylvania Academy of the Fine Arts*. September 1994.

Davies, R. E. G., and I. E. Quastler. *Commuter Airlines of the United States*. November 1994.

Diamond, A. W., and F. L. Fillion, eds. *The Value of Birds*. Distributed for BirdLife International. July 1995.

Doss, Erika. *Spirit Poles and Flying Pigs: Public Art and Cultural Democracy in American Communities*. March 1995.

Elias, Scott A. *Ice-Age History of Alaskan National Parks*. April 1995.

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555. R. Daniel Briceño and William G. Eberhard. "The Functional Morphology of Male Cerci and Associated Characters in 13 Species of Tropical Earwigs (Dermaptera: Forficulidae, Labiidae, Carcinophoridae, Pygidicranidae)." 63 pages, 98 figures, 1 table. (17 March 1995)
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- Other Functions

## Office of Communications

### Office of Public Affairs

- Blue Bulletin*. A biweekly two- to four-page newsletter with administrative information for staff. Circulation is to every Smithsonian staff member. Editor: Colleen Hershberger
- The Torch*. A monthly newspaper for Smithsonian employees. During this year, the newspaper's contents were revised to highlight the Institution's 150th anniversary, exhibition spotlights, the Home Page and other computers stories, exhibitions "Now Showing," classified ads, and more. Circulation is 10,600, which includes staff, volunteers, and a list of interested individuals and organizations outside the Smithsonian. Editor: Jo Ann Webb
- Smithsonian Institution Research Reports*. A quarterly newsletter that disseminates information on Smithsonian research to an audience of nearly 90,000 readers (approximately 10,000 scientists, libraries, museums, universities, journalists, and others and 80,000 Contributing H1 embers of The Smithsonian Associates). Editor: William Schulz
- Smithsonian Runner*. A bimonthly newsletter about Native American activities at the Institution, featuring informational updates on the National Museum of the American Indian and articles on research and other projects, activities, and events. Circulation is more than 32,000, which includes Native American journalists and

community leaders, as well as members of the National Museum of the American Indian. Editor: Dan Agent

## Affiliated Organizations

### *Reading Is Fundamental, Inc. (RIF)*

### *Office of Telecommunications*

#### Radio Smithsonian Productions

*Folk Masters from The Barns of Wolf Trap* The fifth season of this series of 26 one-hour stereo programs featuring traditional music of the Americas—produced by Radio Smithsonian, the Wolf Trap Foundation for the Performing Arts, and WETA-FM; distributed by Public Radio International and broadcast nationwide on more than 140 public radio stations and BBC Scotland.

*Jazz Smithsonian* Second season of this series of 8 one-hour programs of classic jazz hosted by Lena Horne featuring the Smithsonian Jazz Masterworks Orchestra, conducted by David Baker and Gunther Schuller, performing jazz of the 1920s, '30s, '40s, '50s, and '60s—produced by Radio Smithsonian, distributed by Public Radio International and broadcast on 185 public radio stations nationwide.

#### Home Video

*In Open Air: A Portrait of American Impressionism* A 28-minute video portraying the life and times of the pioneers of American Impressionism, illustrated with some of the finest paintings created in America from 1880 to 1915—produced by the Office of Telecommunications.

#### Exhibition Videos

*Exploring Marine Ecosystems* A series of six videos offering a close-up look at the workings of various marine habitats for the National Museum of Natural History—produced by the Office of Telecommunications.

*First Ladies: Political Role and Public Image* A 15-minute video for the new theater in the National Museum of American History's First Ladies exhibition—produced by the Office of Telecommunications.

#### Promotion Publications

*Radio Smithsonian Presents Jazz 1995–1996* A jazz calendar promoting the *Jazz Smithsonian* radio series and the Smithsonian Institution's jazz activities—features historic photographs and birthdays of jazz greats whose music is heard on the radio series—produced by Office of Telecommunications in cooperation with the National Museum of American History's Division of Cultural History and the Smithsonian Institution's Traveling Exhibition Service.

*Reading Is Fundamental Annual Report 1994: Building Connections through Reading. RIF Newsletter.* Published four times a year, the *Newsletter* reports on RIF activities nationwide. A technical assistance insert, addressing local projects' requests for information on how to motivate youngsters to read, is included twice a year in *Newsletters* sent to RIF projects. The *Newsletter* reaches 13,000 people throughout the United States and offshore territories.

*The Fun & Fundamentals of Running a RIF Project.* A brochure outlining the basic details on running a RIF program.

*The RIF Handbook: How to Run a Successful Reading Is Fundamental Project.* A technical assistance manual to help RIF volunteers organize and operate an effective reading motivation program. Includes an overview of RIF as well as sections on fundraising, book selection and ordering, and activities to motivate reading.

*"Parent Guide" Brochures.* A series of 12 brochures on the topics "Choosing Good Books for Your Children," "TV and Reading," "Reading Aloud to Your Children," "Upbeat and Offbeat Activities to Encourage Reading," "Teenagers and Reading," "Children Who Can Read, But Don't...," "Encouraging Soon-To-Be Readers," "Magazines and Family Reading," "Family Storytelling," "Building a Family Library," "Encouraging Young Writers," "Summertime Reading."

*The RIF Guide to Encouraging Young Readers.* (Doubleday, 1987). A sourcebook of activities, children's book suggestions, and resources for parents.

*Helping Your Children Become Readers/Como Ayudar a Que Sus Manos Sean Buenos Lectores.* Available in English or Spanish, this reproducible, illustrated flyer features 10 reading tips in simple language.

*The Family Facts Book.* This 24-page booklet provides a place to keep important information about your children; also features tips on raising readers.

*Shared Beginnings® Idea Book: Tips and Activities for Young Families and Their Babies.* With an illustrated format designed to appeal to teenage parents, this publication features more than 100 ideas for nurturing emergent language and literacy in infants and toddlers. Includes rhymes, songs, and fingerplays.

*Shared Beginnings® Leader's Guide.* An eight-part activity curriculum, resources, and reproducible pages. Developed to provide a family component for those offering services to teen parents.

*Family of Readers® Activity Book.* This booklet features activities for families to enjoy together: reading, writing, cooking, coloring, and other do-at-home projects. Also available in Spanish.

*Family of Readers® Parent's Handbook.* Gives parents an easy-to-follow overview of Inning the RIF book program. Also explores the importance of parental involvement in children's reading and learning.

*Family of Readers® Advisor's Guide.* An expanded version of the *Parent's Handbook*, with additional notes to the advisor. Resource section includes lists of children's favorite books, and family-related activities.

*RUNNING START® Teacher's Handbook.* Helps first grade teachers create reading-rich classrooms during RUNNING START and beyond. Includes activity ideas and reproducible pages for use in the classroom and to send home.

*RUNNING START® Coordinator's Guide.* Gives program coordinators step-by-step instructions on setting up and administering the program, including information on fundraising, publicity, and working with teachers, principals, volunteers, and other program partners.

*STAR Science Technology And Reading® "Labs."* A supplemental curriculum for the upper elementary grades that engages children in discovery through hands-on science and uses literature to spark and extend their interest. STAR activities are presented in eight thematic "labs" including: Mystery, Inventors, Habitat, Water, Sports, Ecology, Flight, and Geology.

*STAR Science Technology And Readings® Mentor's Guide.* A guide for career scientists from local industry to assist teachers in conducting STAR in the classroom.

## *Woodrow Wilson International Center for Scholars*

### Woodrow Wilson Center Press Books

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# The Smithsonian Institution and Its Subsidiaries, September 30, 1995

## The Secretary

### *Office of the Secretary*

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Near Eastern  
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James Ulak, Japanese  
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*Paper Conservator*  
 Konstanze Bachmann

*Curator of Textiles*  
 Milton Sonday  
*Assistant Curator of Textiles and Curatorial Chair*  
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 Franklin Underwood  
 (through 9/1/95)

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*Multicultural Outreach*  
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*Team Leader, Reference*  
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*Assistant Director for*

*Administration*

Patricia L. Fiske

*Assistant Director, Exhibits*

*Design and Facility*

Alan Knezevich

*Founding Director Emeritus*

*and Senior Scholar*

Warren M. Robbins

*Senior Scholar Emeritus*

Roy Sieber

**Curatorial Department**

*Chief Curator*

Philip L. Ravenhill

*Curators*

Lydia Puccinelli

Roslyn A. Walker

*Assistant Curators*

Bryna Freyer

Andrea Nicolls

**Public Affairs Department**

*Public Affairs Officer*

Janice L. Kaplan

**Education Department**

*Curator of Education*

Edward Lifschitz

*Assistant Curator of Education*

Veronika Jenke

*Education Specialists*

Pedra Chaffers

Leasa Farrar-Frazier

Peter Pipim

**Registration Department**

*Registrar*

Julie Haifley

**Conservation Department**

*Conservator*

Steve Mellor

**Eliot Elisofon Photographic Archives**

*Curator of Photographic*

*Archives*

Christraud M. Geary

*Archivist*

Amy Staples

**Warren M. Robbins Library**

*Librarian*

Janet Stanley

**Publications Office**

*Writer-Editor*

Joan Amick

**National Museum of American Art**

**Office of the Director**

*Director*

Elizabeth Broun

*Deputy Director*

Charles J. Robertson

**Curatorial Office**

*Chief Curator*

Virginia M. Mecklenburg

*Deputy Chief Curator*

Jacquelyn D. Serwer

*Associate Curator (Pntg. & Sculpt.)*

Andrew L. Connors

*Senior Curator (Photography)*

Merry A. Foresta

*Curator (Sculpture)*

George Gurney

*Curator (Painting & Sculpture)*

Lynda R. Hartigan

*Senior Curator (Graphic Arts)*

Joann G. Moser

*Senior Curator (Pntg. & Sculpt.)*

Richard N. Murray

*Senior Curator (Pntg. & Sculpt.)*

Harry Rand

*Senior Curator (Pntg. & Sculpt.)*

William H. Truettner

**Renwick Gallery**

*Curator-in-Charge*

Kenneth R. Trapp

*Curator*

Jeremy E. Adamson

**Research & Scholars Center**

*Chief*

Rachel M. Allen

**Office of Educational Programs**

*Chief*

Nora M. Panzer

**Office of Registration & Coll. Mgmt.**

*Registrar*

Melissa L. Kroning

**Office of Design & Production**

*Chief*

Val E. Lewton

**Administrative Office**

*Administrative Officer*

Maureen E. Damaska

**Office of External Affairs**

*Chief*

W. Robert Johnston

**Office of Publications & New Media Initiatives**

*Chief*

Steve Dietz

**Office of Development**

*Development Officer*

Marilyn B. Montgomery

**Public Affairs Office**

*Public Affairs Officer*

Katie M. Ziglar

*National Museum of American History*

*Director*

Spencer R. Crew

*Deputy Director*

Martha Morris

*Special Assistant*

Deborah Scriber-Miller

**Planning Office**

*Planning Coordinator*

Nanci Edwards

*Planning Coordinator*

Patrick Ladden

**Project Management**

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Harold Closter

*Projector Coordinator*

Eleanor Boyne

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Dennis Dickinson

*Budget Director*

Richard J. Nicastro

*Budget Analyst*

Sandra G. Dunnigan

*Management Analyst*

Margaret M. Limehouse

*Administrative Specialist*

Francis D. Roche

**Computer Services Center**

*Computer Specialist*

Edward Johnson

Barbara L. Jordan

Bradley Tesh

Raelene L. Worthington

**Capital Programs**

*Associate Director*

Ronald E. Becker

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James D. Whoolery

*Facilities Manager*

Richard A. Day

*Assistant Facilities Manager*

Kenneth I. Jordan

*Safety Manager*

William Prebble

*General Foreman*

Sinclair Jennings

**Office of External Affairs**

*Associate Director*

Elizabeth E. Greene

**Office of Development**

*Director of Development and*

*Special Events*

Ruth A. Sexton

**Office of Special Events**

*Events Coordinator*

Elizabeth Little

*Events Coordinator*

Bee Gee Thompson

**Office of Public Affairs**

*Director*

Tensia Alvarez

**Office of Historical Resources**

*Associate Director*

Lonnie G. Bunch

**Department of History**

*Assistant Director*

Arthur P. Molella

**Collections Support**

*Collections Manager*

Ray A. Hutt

**Archives Center**

*Chief Archivist*

John A. Fleckner

*Deputy Archivist*

Robert S. Harding

**Division of the History of Technology**

*Chair*

Steven Lubar

*Assistant Chair*

Jennifer Locke

*Curators*

Pete Daniel

Paul Johnston

Harold Langley

Mina Marefat

Robert C. Post

Carlene Stephens

Jeffrey Stine

William L. Withuhn

**Division of Cultural History**

*Chair*

James M. Weaver

*Assistant Chair*

Gary Sturm

#### *Curators*

Richard Ahlborn  
Anthony Brown  
Rayna Green  
John Hasse  
Cynthia Hoover  
James O. Horton  
Charles McGovern  
Marvette Perez

### Division of Information, Technology & Society

#### *Chair*

David K. Allison

#### *Assistant Chair*

Joan E. Boudreau

#### *Curators*

Elvira Clain-Stefanelli  
Richard G. Doty  
Jon B. Eklund  
Bernard S. Finn  
Elizabeth M. Harris  
Paul Forman  
Helena C. Wright

### Lemelson Center

#### *Director*

Arthur P. Molella

#### *Program Manager*

Claudine Klose

### Division of the Social History

#### *Chair*

Susan H. Myers

#### *Assistant Chair*

Shelly J. Foote

#### *Curators*

William L. Bird  
Barbara Clark Smith  
Anne Golovin  
Claudia Kidwell  
Edith P. Mayo  
Keith E. Melder  
Susan Myers  
Rodris Roth  
Lonn Taylor

### Division of the Science, Medicine, & Society

#### *Chair*

Ramunas A. Kondratas

#### *Assistant Chair*

Steve Turner

#### *Curators*

Patricia Gossel  
G. Terry Sharrer  
Linda Tucker  
Deborah J. Warner  
nagement Services

#### *Assistant Director*

Katherine P. Spiess

#### *Program Manager*

Karen Garlick

### Administrative Services

#### *Manager*

Rosemary Phillips

### Collections Documentation Services

#### *Manager*

Anne Serio

### Operations & Storage Services

#### *Group Leader/Off-site Manager*

Steve Hemlin

#### *Deputy Group Leader*

Debra Hashim

#### *MSC Move Coordinator*

Ginger Deucher

#### *Master Plan Coordinator*

Frances Dispenzirie

#### *Collections Manager 1876*

Margaret Grandine

### Preservation Services

#### *Manager*

Karen Garlick

#### *Program Administrator*

Joan Young

### Registration Services

#### *Registrar*

Jeanne M. Benas

#### *Deputy Registrar*

Edward L. Ryan

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#### *Associate Director*

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#### *Senior Program Manager*

Catherine C. Perge

### *American Past Times* Magazine

Elizabeth M. Sharpe

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#### *Docent Coordinator*

Martha Jo Meserole

#### *Internship and Fellowship*

*Programs*

Mary West Dyer

### Hands on Science Center

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#### *Director*

William Thomas Tearman

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#### *Director*

Niani Kilkenny

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#### *Design Director*

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### Program Production

#### *Director*

Kathryn Campbell

### Cabinet, Paint, Plastic

#### *Shop Supervisor*

Peter Albritton

### Graphics

#### *Shop Supervisor*

D. Omar Wynn

### Historic Restoration

#### *Shop Supervisor*

Terry Conable

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#### *Director*

Robert D. Selim

### NMAH Library

#### *Chief*

Rhoda S. Ratner

### *America's Smithsonian (150th Project)*

#### *Project Director*

J. Michael Carrigan

#### *Project Manager*

Ellen J. Dorn

### *National Postal Museum*

#### *Director*

James H. Bruns

#### *Assistant to the Director for*

*Financial Affairs*

Pat Bonds

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Antoinette G. Williams  
*Registrar*  
Ted Wilson  
*Senior Historian and Director  
of American Studies  
Program*  
Wilcomb Washburn  
*Museum Specialist (Philately)*  
Joseph Geraci  
*Museum Program Specialist*  
Nancy Pope  
*Head of Education*  
Wendy Aibel-weiss  
*Public Affairs Specialist*  
Daisy Ridgway  
*Exhibits Coordinator*  
Pat Burke  
*Building Manager*  
Greg Cunningham  
*Librarian*  
Tim Carr  
*Museum Shop Manager*  
Maxine Kniseley  
*Security Office*  
Captain Gordon Swain

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W. Richard West, Jr.  
*Deputy Director*  
Douglas E. Evelyn

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Administration*  
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*Human Resources Manager*  
Carol Belovitch  
*Acting Budget Manager*  
Kelly Bennett

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Resources*  
Lee Davis  
*Deputy Assistant Director for  
Cultural Resources*  
George Horse Capture  
*Acting Registrar*  
Ann Drumheller  
*Acting Senior Curator*  
Mary Jane Lenz  
*Conservation Program Manager*  
Marian Kaminitz  
*Acting Archives/Photo Services  
Manager*  
Pamela Dewey

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Programs*  
Charlotte A. Heth  
*Deputy Assistant Director for  
New York Operations*  
John Haworth  
*Deputy Assistant Director for  
Exhibitions*  
James W. Volkert  
*Publications Program Manager*  
Terence Winch  
*Resource Center Manager*  
Martha Kreipe de  
Montaño  
*Film & Video Program Manager*  
Elizabeth Weatherford

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*Deputy Director*  
Carolyn K. Carr  
*Associate Director for  
Administration*  
Barbara A. Hart

*Curator of Paintings and  
Sculpture*  
Ellen G. Miles  
*Curator of Exhibitions*  
Beverly J. Cox  
*Curator of Prints and Drawings*  
Wendy Wick Reaves  
*Curator of Photographs*  
Mary C. Panzer  
*Historian*  
Frederick S. Voss  
*Education Program Director*  
Vacant  
*Publications Officer*  
Frances K. Stevenson  
*Chief, Design and Production*  
Nello Marconi  
*Keeper, Catalog of American  
Portraits*  
Linda Thrift  
*Editor of the Charles Willson  
Peale Papers*  
of American Culture  
Lillian B. Miller  
*Librarian*  
Cecilia Chin  
*Chief Photographer*  
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*Registrar*  
Suzanne Jenkins  
*Public Affairs Officer*  
Brennan Rash  
*Facilities Manager*  
Daniel Davies

## *Office of Exhibits Central*

*Acting Director*  
Mike Headley  
*Program Analyst*  
George Quist  
*Administrative Officer*  
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*Supervisor, Design, Editing,  
and Graphics Unit*  
Mary Bird  
*Supervisor, Fabrications Unit*  
Harold Campbell  
*Supervisor, Model Making Unit*  
Richard Kilday

*Computer Systems Administrator*  
Glenn Adams

## *Smithsonian Institution Traveling Exhibition Service*

*Director*  
Anna R. Cohn  
*Deputy Director*  
Lori D. Wesley  
*Assistant Director for Budget  
and Finance*  
Allegra Wright

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*Associate Director for Programs*  
Frederica R. Adelman

### *External Relations*

*Associate Director for External  
Relations*  
Andrea P. Stevens  
*Public Relations*  
*Director*  
Liz Hill  
*Development*  
*Director*  
Johleen D.N. Cannon

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## *Center for Folklife Programs and Cultural Studies*

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Richard Kurin  
*Deputy Director*  
Richard Kennedy



*Director, Festival of American  
Folklife*  
Diana Parker

*Director and Curator,  
Smithsonian/Folkways  
Recordings*  
Anthony Seeger

*Senior Folklorist*  
Peter Seitel

*Senior Ethnomusicologist*  
Thomas Vennum, Jr.

*Administrative Officer*  
Barbara Strickland

*Folklorists*  
Olivia Cadaval  
Amy Horowitz  
Diana N'Diaye

*Folklorists/Education Specialists*  
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Marjorie Hunt

*Program Managers*  
Carla Borden  
John Franklin  
Charlene James-Duguid

*Technical Director*  
Pete Reiniger

*Design Director*  
Joan Wolbier

*Archivist*  
Jeff Place

*Media Specialist*  
Van Robertson

*Folkways Fulfillment Manager*  
Dudley Connell

*Folkways Business Manager*  
Matt Walters

*Folkways Promotion Manager*  
Brenda Dunlap

*Folkways Acting Program  
Assistant*  
Mary Monseur

*Program Specialists*  
Felicia Erickson  
Arlene Reiniger  
Mary Van Meter

*Education Coordinator*  
Emily Botein

*Folkways Fulfillment Service*  
Tom Adams  
Lee Michael Demsey  
Andrea Lecos  
Matt Levine

*Fiscal Managers*  
Bill Holmes  
Heather MacBride

*Administrative Assistants*  
Linda Benner  
Donnell Gudger  
Bernard Howard

*Design Assistant*  
Karin Hayes

*Acting Assistant Archivist*  
Harris Wray

*Research Associates*  
Ken Bilby  
Roland Freeman  
Ivan Karp  
Corrine Kratz  
Alan Lomax  
Worth Long  
Yoon Park  
Kate Rinzler

*Executive Director*  
Douglas M. Lapp

*Deputy Director for Information  
Dissemination, Materials  
Development, and  
Publications*  
Charles N. Hardy

*Deputy Director for  
Development, External  
Relations, and Outreach*  
Sally Goetz Shuler

*Administrative Officer*  
R. Gail Thomas

*Financial Associate*  
Anne E. Pomerleau

*Information/Technology  
Specialist*  
Terence Proctor

*Executive Administrative  
Assistant*  
Gail Greenberg

*Administrative Assistant*  
Katherine Darke  
ice Assistant  
Tonya M. Miller

*Public Information Consultant*  
Kathleen Holmay

*Development Consultant*  
Leslie OFlahavan

## *National Science Resources Center*

*Science and Technology for  
Children Project Director*  
Joyce Lowry Weiskopf

*Research Associates*  
Wendy R. Binder  
Edward Lee  
Christopher T. Lyon  
Carol O'Donnell  
Katherine Stiles

*Program Assistant*  
Lisa Bevell

*Office Assistant*  
Amanda Revere

*Research Consultants*  
Donald Cammiso  
Judith White

*Outreach Director*  
Open

*Program Officer: Technical  
Assistance*  
Open

*Program Associate: Leadership  
Institutes*  
Julie Clyman Lee

*Program Assistant*  
Cathy Gruber

*Consultant*  
L. J. Benton

*Director of Information  
Dissemination*  
Evelyn M. Ernst

*Program Officer*  
Marilyn Fenichel

*Research Associate: Middle  
School Resources*  
Barbara K. Johnson

*Program Officer: Networking*  
Theodore D. Schultz

*Resource/Database Specialist*  
Rita C. Warpeha

*Program Assistant*  
Sharon S. Seaward

*Director of Publications*  
Dean Trackman

*Writer/Editor*  
Lynn A. Miller

*Publications Technology  
Specialist*  
Heidi M. Kupke

*Illustrator*  
Max-Karl Winkler

*Editorial Assistant*  
David Stein

*Editorial Consultants*  
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Cindy Allen  
Judith Grumstrup-Scott  
Linda Harteker  
Dorothy Sawicki  
*Illustrator Consultant*  
Lois Sloan

## *Office of Elementary and Secondary Education*

*Director*  
Ann Bay

*Deputy Director for  
Administration*  
Thomas E. Lowderbaugh,  
Ph.D.

*Publications Director*  
Michelle Knovic Smith

## *Finance and Administration*

### *Office of the Assistant Secretary for Finance and Administration*

*Assistant Secretary*  
Nancy D. Surtenfield

*Deputy Director for Finance*  
Rick R. Johnson

*Executive Assistant for  
Administration*  
Carolyn E. Jones

*Executive Assistant*  
Betty Lathern

*Special Assistant*  
Aileen F. Wakefield

*Ombudsman*  
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## *Office of Architectural History and Historic Preservation*

### *Director*

Cynthia R. Field  
*Keeper of the AAHP "Castle"  
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Richard E. Stamm  
*Historic Preservation  
Specialist*

Amy Ballard  
*Architectural Historian*  
Robert J. Orr V  
*Restoration Specialists*  
Peter L. Muldoon  
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### *Comptroller*

M. Leslie Casson  
*Deputy Comptroller*  
Robert A. Mills

## *Operations*

### *Manager*

Phillip F. Norton

## *Financial Analysis and Reporting*

### *Manager*

Elard J. Phillips

## *Financial and Payroll Systems*

### *Manager*

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### *Deputy Director*

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*Assistant Manager*

Melissa S. Levine

*Travel Services Office Manager*

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*Administration Program*

*Analysis and Property*

*Division Manager*

(Acting)

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*Procurement Branch Chief*

Vacant

*Assistant Chief*

Laura E. Simmons

*Property and Inventory*

*management Branch Chief*

Joseph Swihart

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*Associate Director*

William L. Thomas

## *Project & Construction Management Division*

*Chief, Project & Construction  
Management*

Charles H. Schneider

## *Construction Management Branch*

*Chief, Construction Branch*

Loren D. Raap

*Planning & Programming  
Division*

*Chief, Planning &  
Programming*

Harry Rombach

*Support Division*

*Chief, Support*

Laura O. Hoing

## *Engineering & Design Division*

*Chief, Engineering & Design  
Division I*

Shelley E. Harlan

*Chief, Engineering & Design  
Division II*

Sukhinder S. Sodhi

*Chief, Engineering & Design  
Division III*

Susan B. Wertheim

## *Office of Environmental Management and Safety*

### *Director*

F. William Billingsley

## *Environmental Management Division*

*Assistant Director*

Rachel L. Gregory

*Executive Assistant to the*

*Director*

Walter G. Bailey

## *Fire and Life Safety Division*

*Assistant Director*

J. Andrew Wilson

## *Office of Equal Employment and Minority Affairs*

### *Director*

Era L. Marshall

*Complaints Program Manager*

Robert L. Osborne

*Special Assistant to the Director*

McKinley Harris

*Affirmative Action Program  
Manager*

Carol Gover

*Special Emphasis Program  
Manager*

Angela Roybal

*Small and Disadvantaged  
Business Utilization  
Program Manager*

Mauricio P. Vera

## *Office of Facilities Services*

*Director of Facilities Services  
(Acting)*

Richard Rice, Jr.

*Program Manager*

(Organization and  
Development)

Mary Anne Valentine

*Program Manager (Finance)*

Ellen W. Miller

*Education Specialist*

Aimes L. Hill

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### *Director*

Susan Roehmer

*Assistant Director, Operations  
Division*

Bernice B. Abram

*Assistant Director, Policy  
Division*

vacant

## Employee Assistance Program

*Manager*  
Verdine Frederick

## Office of Plant Services

*Director*  
Patrick Miller  
*Financial management Officer*  
Glennel Cooper  
*Associate Director Engineering and Customer Service Division*  
Lawrence Stuebing  
*Assitant Director Horticultural Services Division*  
Nancy J. Bechtol  
*Assitant Director Crafts Services Division*  
Judie Cooper  
*Associate Director Utilititers. Operations & Maintenance Division*  
Howard L. Wink

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*Director/Curator*  
Jim Wallace  
*Deputy Director*  
Lorie H. Aceto  
*Production Control Officer*  
Mary Ellen McCaffrey

## Special Assignments/Photography Branch

*Chief*  
Dane A. Penland

## Laboratory Branch

*Chief*  
Edes F. Talman

## Services Branch

*Chief*  
Joyce M. Goulait

## NASM Branch

*Chief*  
Mark Avino

## NMNH Branch

*Chief*  
Victor Krantz

## Color Branch

*Chief*  
Joe A. Goulait

## Duplicating Branch

*Chief*  
Herman Thompson

## Office of Protection Services

*Director (Acting)*  
Michael Sofield  
*Associate Director "Management"*  
Vacant  
*Associate Director "Operations"*  
Thomas H. Bresson

## Protection Division

*Chief*  
Vacant

## Security Services Division

*Chief*  
Joseph Gallimore  
Security Systems Division

*Chief*  
Warren J. Danzenbaker  
Health Services Division  
*Medical Officer*  
Vacant  
NYC Security Operations

*Chief*  
Luis A. Palau  
STRI Security

*Chief*  
Alejandro Arze  
Parking Office

*Manager*  
John W. Bausch  
OPS Supply

*Supply Officer*  
Vacant  
Budget Officer  
Grady Kimbrough

## Office of Sponsored Projects

*Director*  
Ardelle G. Foss  
*Administrative Officer*  
Angela M. Lippitt

## Grant Management Unit

*Assistant Director, Grant Management*  
J. Scott Robinson  
*Grant/Contract Administrator*  
Kathleen Hindle  
Karen E. Otiji  
David R. Short

## Financial Management Unit

*Assistant Director, Financial Management*  
Ernest L. Duncan Jr.  
*Grant/Contract Financial Analysts*  
Delores Clyburn  
Leni Figueiras  
Karen Williamson

## Office of Risk and Asset Management

*Treasurer*  
Sudeep Anand  
*Risk Manager*  
Jacqueline C. Young  
*Senior Investment Analyst*  
Debra Winstead  
Endowment Control Analyst  
Korri Gruner  
*Risk Management Analyst*  
Katherine Tkac  
Paralegal Specialist  
Nancy Lewis  
Budget Assistant  
Lizzie Clark  
*Disaster Preparedness Coordinator*  
Priscilla A. Terry  
*Risk Management Analyst*  
Katherine Tkac  
*Claims Assistant*  
Nancy Lewis

## The Under Secretary

### Office of the Under Secretary

*Under Secretary*  
Constance Berry Newman  
*Executive Assistant*  
Anna B. Martin  
*Administrative Officer*  
Luwan Brown  
*Confidential Assistant*  
Constance Lykes

## Institutional Advancement

### *Office of the Assistant Secretary for Institutional Initiatives*

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#### *Special Assistant*

Daniel K. Stevenson

#### *Program Manager*

Lois A. Noack

#### *Secretary*

Donna R. Artaway

#### *Office Assistant*

Dorothy A. Black

### *National Museum of the American Indian National Campaign*

#### *Director*

John L. Colonghi

#### *Assistant Director*

Susannah Kellems

#### *Development Officers*

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Lon Saavedra

Melissa Tallent

#### *Program Specialist*

Lisa Meredith

#### *Development Assistants*

Sean Jenkins

Ashley Tripplehorn

#### *Membership Services Director*

Lisa Gills

#### *Membership Services Assistants*

Arlette Draper

Danielle Lote

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Mary Thomson

#### *Public Information Specialist*

Carol Grace Woodruff

#### *Public Relations Assistant*

Lorraine Maughlin

#### *Administrative Officer*

Carol Nottingham

#### *Management Support*

Assistant

Patricia Davis

#### *Secretary to the Director*

Stephanie Fick

#### *Office Automation Clerk*

Kim Fietze

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#### *Director*

Marie A. Mattson

#### *Assistant Director for*

*Corporate/Foundation Relations*

Nancy Fischer

#### *Assistant Director for*

*Individual Giving*

Donna B. Ari

#### *Assistant Director for*

*Membership & Volunteer Relations*

Diana D. Duncan

#### *Assistant Director for*

*Administration & Operations*

Margo H. Knight

#### *Development Officers*

John Brown

Barbara W. Freeman

Arthur Gardner

Daniel M. Linguiti

Thomas Woodruff

#### *Contributing Membership*

*Program Manager*

Christine Skennion

#### *Events Manager*

Nancy Lynner

#### *Database Coordinator*

Ann Bissell

#### *Information Resource Specialist*

James R. Stone

#### *Administrative Officer*

C. Fred Burnette

### *Office of Special Events and Conference Services*

#### *Acting Director*

Katherine Kirlin

#### *Special Events Coordinator*

Ted Anderson

Cheryl Gibney

Angela Leipold

Nancy Lynner

#### *Conference Coordinator*

Evan Stoddard

#### *Controller*

Donald Fretwell

#### *Assistant Director, Operations*

Carol Fox

#### *Marketing Manager*

Susan Boghosian

#### *Purchasing Manager*

Ruby Sherman

### *Office of Communications*

#### *Director*

David J. Umansky

#### *Secretary to the Director*

Michelle Carr

## Other Functions

### *Business Management Office*

#### *Acting Senior Business Officer*

Roland Banscher

#### *Assistant Director of Operations*

Joe Carper

### *Retail Museum Shops*

#### *Assistant Director, Shops*

*Personnel*

Dana S. Moreland

#### *Store Operations Manager*

Richard Kavanaugh

#### *Financial Manager*

Shawn Keeley

#### *Loss Prevention Manager*

Claude Nelson

#### *Retail Design Specialist*

Thora Colot

#### *Warehouse Operations Manager*

Jim Storr

#### *MIS Manager*

Christopher Smith

#### *Office Manager*

Janice Boggs

### *Mail Order Division*

#### *Assistant Director, Catalogue*

Maxine Ross

### *Management and Administration, Office of Public Affairs*

#### *Associate Director*

Eileen Jones

#### *Administrative Officer*

Carolyn Amundson

### *Media Relations, Office of Public Affairs*

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Linda St. Thomas

#### *Staff*

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Vicki Moeser

Hamlet Paoletti

Margaret Pulles

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New York Botanical Garden. 76 plants  
(408722, 409346).  
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Universidad de Antioquia, Colombia. 15  
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ezuela. 291 plants (408443).

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Alberta, University of, Canada. 10  
mosses (412993).  
All Russia Plant Quarantine Institute,  
Russia. 53 insects (410760).

Arizona, University of. 46 plants  
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tralia. 25 lichens (412486).  
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412995, 414765).  
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414145, 414267).  
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651 plants (412497).  
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California Department of Food and Ag-  
riculture. 10 fruit flies (412721).  
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Puerto Rico. 38 plants (411627).  
Fairchild Tropical Garden. 4 plants  
(407177).  
Field Museum of Natural History. 26  
plants (410811, 413025).  
Florida, University of. 400 mollusks  
(410389, 410414); 33 plants (410073).  
Friedrich-Schiller Universitat, Ger-  
many. 4 plants (407149).  
Guam, University of, Guam. 20 ferns  
(408871).  
Harvard University. 4 fishes (412253);  
127 lichens (413820).  
Helsinki, University of, Finland. 12 li-  
chens (414333).  
Herbario Nacional de Bolivia, Bolivia.  
188 plants (411930, 414072, 414314).  
Herbario Nacional de Costa Rica, Costa  
Rica. 91 plants (410856).  
Hungarian Natural History Museum,  
Hungary. 35 insects (410761).  
Institute for Taxonomic Zoology, Neth-  
erlands. 10 echinoderms (412867).  
Institute of Botany, People's Republic  
of China. 200 plants (412475).

- Institute of Systematic Botany, Netherlands. 727 plants (411685, 412484, 412833).
- Instituto Botanico (Caracas), Venezuela. 12 plants (411706).
- Instituto Nacional de Pesquisas de Amazonia, Brazil. 3 fruit flies (412739); 54 plants (406188, 414100).
- Instituto Nacional de Tecnologia Agropecuaria, Argentina. 77 plants (414343).
- Instituto de Botanica del Nordeste, Argentina. 119 plants (413823).
- Instituto de Ecologia, Mexico. 18 insects (411797).
- Iowa State University. 161 plants (411655).
- Kansas, University of. 212 plants (412547).
- Kyoto University, Japan. 1 cast of a bird skeleton (411612).
- Laboratory for Plant Taxonomy and Geography, Netherlands. 26 plants (407708).
- Michigan State University. 210 lichens (411684).
- Michigan, University of. 4 plants (414814); 1 vertebrate skull cast (412179).
- Missouri Botanical Garden. 803 plants (411666, 412019, 412804, 413761, 413779, 414083, (414125, 414318, 414767).
- Museo Argentino de Ciencias Naturales, Argentina. 10 insects (414051).
- Museum National d'Histoire Naturelle, France. 61 plants (411992, 412965, 414813).
- National Botanical Institute, South Africa. 50 plants (412494).
- National Herbarium of Canada, Canada. 101 lichens (414842).
- National Herbarium of New South Wales, Australia. 42 plants (413822).
- National Science Museum, Japan. 25 lichens (414784).
- National Tropical Botanical Garden. 251 plants (411663, 412988, 413026).
- Naturhistorisches Museum Wien, Austria. 100 plants (410837).
- Naturmuseum Senckenberg, Germany. 13 echinoderms (410987).
- New Hampshire, University of. 40 plants (410815).
- New Mexico State University. 6 plants (410843).
- New York Botanical Garden. 1,020 plants (410794, 410836, 411665, 411720, 411988, 412502, 412824, 412987, 413760, 413763, 414063, 414126, 414302, 414304, 414827).
- Oregon State University. 131 plants (413762).
- Panama, Universidad de, Panama. 7 ferns (408405).
- Queensland Museum, Australia. 157 bird specimens (411605).
- Rancho Santa Ana Botanic Garden. 256 plants (410854, 414146).
- Real Jardin Botanico, Spain. 22 plants (411721).
- Rijksherbarium, Netherlands. 33 plants (414778).
- Royal Botanic Gardens, England. 439 plants (410824, 411697, 412515, 414094, 414796).
- Royal Botanic Gardens (Edinburgh), Scotland. 1 plant (411971).
- Royal Botanic Gardens, Sri Lanka. 119 plants (412509).
- Russian Academy of Sciences, Russia. 655 lady beetles (414052).
- South Australian Museum, Australia. 162+ crustaceans (410324).
- State Herbarium of South Australia, Australia. 90 plants (411651).
- Stellenbosch, University of, South Africa. 7 insects (409583).
- Swedish Museum of Natural History, Sweden. 64 bird skins, skeletons, etc. (411535).
- Tasmania, University of, Australia. 53 crustaceans (413575).
- Texas A & M University. 127 plants (414787).
- Texas at El Paso, University of. 2 mollusks (410398).
- Texas, University of. 69 plants (408811, 411985, 413768).
- Tokyo University of Agriculture, Japan. 40 insects (411806).
- Universidad Complutense, Spain. 50 plants (414106).
- Universidad de Alicante, Spain. 4 insects (414050, 414863).
- Universidade de Sao Paulo, Brazil. 2,670 fishes (411101, 414970).
- Universidade Federal do Amazonas, Brazil. 69 fishes (412302).
- Uppsala, University of, Sweden. 158 lichens (412476).
- V.L. Komarov Botanical Institute, Russia. 264 plants (412992).
- Vanderbilt University-Herbarium. 85 plants (410499).
- Virginia Institute of Marine Science. 6 fishes (412269).
- Wisconsin, University of. 81 plants (407212, 409732).

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- Aarhus University, Denmark. 166 plants (407188, 410860, 411644).
- Academy of Natural Sciences. 2 fishes (411103).
- Agriculture, U.S. Department of. 12,513 insects (408016, 409060, 411802).
- Alabama, University of. 23 echinoderms (412952).
- Alberta, University of, Canada. 11 ground beetles (411818).
- Amazonas, Universidade do, Brazil. 26 fishes (412247).
- American Indian Program Fund. 51 artifacts (380530, 400197).
- American Museum of Natural History. 2 mollusks (408055); 20 echinoderms (409673).
- American University. 3 worms (410625).
- Antioquia, Universidad de, Colombia. 53 plants (410783).
- Architect of the Capitol. 4 rocks (411446).
- Arizona, University of. 1 plant (414306); 5 snake skeletons (400121).
- Asociacion Jardin Botanico La Laguna, El Salvador. 28 plants (411637).
- Asociacion Mexicana de Orquideologia A.C., Mexico. 10 orchids (412008).
- Australian Museum, Australia. 15 crustaceans (392567); 4 mollusks (413103).
- Australian National University, Australia. 25 lichens (414768).
- Bergen, University of, Norway. 1 plant (414811).
- Bernice P. Bishop Museum. 8 plants (411934, 411972, 412765, 413027); 4 crustaceans (361637); 1 fish (412285).
- Biosphere II. 100+ echinoderms (412921).
- Biosystematic Research Center, Canada. 3 insects (414880).

- Birmingham, University of, Great Britain. 87 plants (414830).
- Bonn, University of, Germany. 21 plants (412485).
- Brigham Young University. 8 insects (409605); 1 plant (412826).
- British Columbia, University of, Canada. 9 plants (412666).
- British Museum (Natural History), England. 21 birds (406588, 411556).
- California Academy of Sciences. 2 insects (411805); 2 plants (414799); 2 echinoderms (412886).
- California State University. 593+ crustaceans (405300); 20+ echinoderms (412898).
- California, University of. 20 crustaceans (411863, 413569); 302 echinoderms (412859, 412870, 412880, 412887, 412918, 412903, 415463); 1,357 insects (409044); 5 plants (411719, 414151); 18 fishes (413546).
- Cambridge, University of, Great Britain. 10 plants (411970).
- Campinas, Universidade Estadual de, Brazil. 7 plants (412478).
- Canfield Fund. 3 minerals (409199, 411234, 411246).
- Canfield and Mineral Funds. 2 minerals (411298).
- Canovas del Castilio, Spain. 4 mollusks (410448).
- Casey Fund. 3,484 insects (414033).
- Center for Biodiversity. 6 crayfish (411866).
- Centre ORSTOM de Cayenne, French Guiana. 381 plants (410813, 410866).
- Centre for Land and Biological Resource Research. 12 plants (408890).
- Centre for Research in Medical Entomology, India. 3 insects (409055).
- Centro de Investigaciones de Quintana Roo, Mexico. 6 crustaceans (407871, 410302, 411921, 413616).
- Chamberlain Fund. 1 mineral (411302).
- Charleston, College of. 1300+ crustaceans (405155).
- Chiba University, Japan. 2 plants (412764).
- China University of Geosciences, China. 430+ fossils (411180).
- Clemson University. 28 insects (409604, 410740); 1 plant (411643).
- Colegio de Postgraduados, Mexico. 1 plant (411625).
- College of William and Mary. 275 fishes (412263).
- Colorado College. 1 plant (414781).
- Colorado State University. 7 plants (414073, 414324).
- Companhia Vale do Rio Doce, Brazil. 8 plants (410849, 411702).
- Conservation Fund. 20 crustaceans (411859).
- Conservation International. 54 echinoderms (409685).
- Cook Islands Natural Heritage Project. 60 freshwater fishes (412261).
- Copenhagen, University of, Denmark. 2 spiders (414045).
- Coral Reef Research Foundation, Micronesia. 1 echinoderm (412871).
- Cornell University. 43 crustaceans (410386); 130 plants (407660).
- Costa Rica, Universidad de, Costa Rica. 4 fishes (414964).
- Department of Marine & Wildlife Resources, American Samoa. 1 bird skin (411544).
- Department of Natural Resources, Mariana Islands. 1 bird skin (410285).
- Desautels Fund. 1 mineral (404721).
- Doe Run Company. 2 rocks (411441).
- Drew University. 4 crustaceans (411887).
- Dublin, University College, Ireland. 33 worms (412556).
- East Tennessee State University. 1 crustacean (413600).
- Empresa Pernambucana de Pesquisa Agropecuaria, Brazil. 10 plants + 1 seed packet (414359).
- Fairchild Tropical Garden. 1 plant (414311).
- Far Eastern State University, Russia. 4 worms (410628).
- Field Museum of Natural History. 25 plants (411983, 412963, 414268).
- Florentinae, Universitatis, Italy. 37 plants (414084).
- Florida State University. 1 plant (410845).
- Florida, University of. 29 crustaceans (407858, 407788); 4 insects (414870); 1 plant (408365).
- Forschungsinstitut und Naturmuseum, Germany. 17 insects (410766, 411813).
- Fundacao Instituto Brasileiro de Geografia e Estatistica, Brazil. 379 plants (412984, 414091, 414841).
- Gdansk University, Poland. 25 lichens (414313).
- Geological Institute, Yokohama National University, Japan. 50 mollusks (398251).
- George Washington University. 5 echinoderms (410995).
- Georgia, University of. 121+ crustaceans (403806).
- Gottingen, Universitat, Germany. 6 plants (412000).
- Guadalajara, Universidad de, Mexico. 92 plants (410804).
- Guam, University of, Guam. 328 plants (407480, 410835).
- Guelph, University of, Canada. 1 protozoan type slide (412891).
- Gulf Coast Research Laboratory. 114 echinoderms (412940, 415467).
- Harbor Branch Oceanographic Institution. 3 worms (410620).
- Harvard University. 1 plant (411682).
- Helsinki, University of, Finland. 40 insects (414869).
- Herbario Amazonico Colombiano. 5 plants (411937).
- Herbario Forestal Nacional "Martin Cadenas", Bolivia. 70 plants (412478).
- Herbario Nacional de Bolivia. 512 plants (411924, 411928, 414066, 414067, 414315, 414316).
- Horticulture & Food Restaurant Institute of New Zealand, New Zealand. 2 echinoderms (412924).
- Hugo de Vries - Laboratory, Netherlands. 11 plants (412542, 412774).
- Hungarian Natural History Museum, Hungary. 18 insects (411787).
- INBIO, Costa Rica. 2 insects (410771).
- Idaho, University of. 15 insects (410758).
- Illinois Natural History Survey. 35 plants (412471).
- Institut d'Estudis Avancats de les Illes Balears, Spain. 2 bird skeletons (414370).
- Institut Royal des Sciences Naturelles de Belgique, Belgium. 5 crustaceans (410379).
- Institute of Systematic Botany, Netherlands. 51 plants (412544).
- Instituto Botanico (Caracas), Venezuela. 108 plants (410527).
- Instituto de Biologia, Brazil. 113 crustaceans (410353).
- Instituto de Botanica (Sao Paulo), Brazil. 1 algae specimen (414068); 1 fern (414331).

- Instituto de Ecologia, Mexico. 41 insects (411792).
- Instituut voor Taxonomische Zoologie, Netherlands. 2 worms (408614).
- Instituut voor Systematiek en Populatiebiologie, Netherlands. 22 crustaceans (410381).
- International Potato Center, Peru. 68 plants (410099, 414104, 414852).
- Iowa State University. 3 plants (414061, 414281, 414290).
- Iowa, University of. 20 echinoderms (412876).
- J.L.B. Smith Institute of Ichthyology, South Africa. 5 fishes (412266, 413465).
- Jardin Botanico Juan Maria Cespedes, Colombia. 71 plants (411923, 413793).
- Juiz de Fora, Universidade Federal de, Brazil. 19 plants (410851, 414142).
- Kansas, University of. 10 insects (409057).
- Khartoum, University of, Sudan. 160 plants (414307).
- La Habana, Universidad de, Cuba. 25 crustaceans (407861).
- Laboratory for Plant Taxonomy & Geography, Netherlands. 1 plant (411964).
- Lamar University Orange. 3 shrimps (411824).
- Lisboa, Universidade de, Portugal. 6 crabs (411857).
- Liverpool Museum, England. 76 plants (411713).
- Los Angeles County, Natural History Museum of. 11 flies (414040).
- Louisiana State University. 126 crustaceans (410358); 4 fishes (411117); 68 plants (414782); 1 bird skin (411601); 1 worm (412585).
- Lund University, Sweden. 4 echinoderms (411005).
- MacQuarie University, Australia. 10 worms (410612).
- Maine at Orono, University of. 1 rock (411463).
- Maryland, University of. 2 crustaceans (413639); 2 echinoderms (412916).
- McMurry University. 3 crustaceans (413561).
- Miami, University of. 1 echinoderm (412875); 1 crustacean (407800).
- Michigan, University of. 2 plants (414137).
- Minas Gerais, Universidade Federal de, Brazil. 89 plants (414273, 414279, 414332).
- Mineral Fund. 23 minerals (406382, 411262, 411301, 413672).
- Mississippi State University. 1 insect (409591); 682 salamanders (398017).
- Missouri Botanical Garden Herbarium. 919 plants (404952, 407687, 410561, 410841, 410852, 412017, 412021, 413859, 414850).
- Monterey Bay Aquarium Institute. 8 mollusks (413102).
- Museo de Historia Natural, Peru. 669 freshwater fishes (412317).
- Museu Botanico Municipal, Brazil. 377 plants (407381, 410850, 411701, 412815, 412967, 414118, 414127, 414785, 414792, 414815, 414818).
- Museu de Ciencias Naturais, Brazil. 85 plants (413037, 414297).
- Museum National D'Histoire Naturelle, France. 3 insects (411796); 3 crustaceans (407831, 407863); 186 plants (413812, 414345, 414822, 414848); 5 mollusks (413082).
- Nationaal Natuurhistorisch Museum, Netherlands. 1 crustacean (410354).
- National Institute of Biology, Slovenia. 17 crustaceans (410361).
- National Institute of Hygiene & Epidemiology, Vietnam. 397 crustaceans (407853).
- Natural History Museum, Great Britain. 1 plant (413019).
- Natural History Society of Maryland, Inc.. 1 mummified human head (409910).
- Nature Conservancy. 1 plant (412802).
- Naturhistorisches Museum, Austria. 2 crabs (405154).
- New Hampshire, University of. 15 echinoderms (411019).
- New Mexico State University. 10 plants (410842, 414761).
- New Orleans Mosquito Control Board. 1,402 crustaceans (407904, 411870, 413574).
- New South Wales, National Herbarium of, Australia. 1 plant (414136).
- New York Botanical Garden. 6 crustaceans (407784); 122 plants (410791, 410820, 411662, 411668, 411987, 412500, 412541, 412985, 413795).
- New York State Department of Health. 5 fossils (410245).
- New Zealand, National Museum of, New Zealand. 34 mollusks (413104).
- Newberry College. 72 plants (411931, 412490).
- Newfoundland, University of, Newfoundland. 30+ crustaceans (395911).
- Nippon Veterinary & Animal Science University, Japan. 2 protozoan slides (412881).
- North Carolina Central University. 5 echinoderms (412922).
- North Carolina State Museum of Natural Sciences. 7 crustaceans (410345); 1 fossil shark tooth (410207); 52 insects (414030); 1 worm (412567).
- North Carolina at Charlotte, University of. 7 echinoderms (412874).
- North Texas, University of. 132 insects (410735).
- Northern Arizona University. 2 echinoderms (410997).
- Northern Kentucky University. 27 plants (412837).
- Northern State University. 1 bird skin (407622).
- Nova University. 6 decapods (403787); 2 worms (410624).
- Nova University Oceanographic Center. 11 echinoderms (411004).
- Oceanology, Institute of, China. 1 echinoderm (410994).
- Office of Director Discretionary Fund. 1 skull cast (412201).
- Ohio State University. 3 echinoderms (415469).
- Old Dominion University. 48 crustaceans (394096).
- Oman Natural History Museum, Oman. 1 bird skin (406588).
- Oporto, University of, Portugal. 2 protozoan type slides (411006, 412897).
- Oregon State University. 264 insects (409596, 409602, 410759).
- P.P. Shirshov Institute of Oceanology, Russia. 12 fishes (412296).
- Panama, Universidad de, Panama. 4 crustaceans (410334).
- Pennsylvania, State Museum of. 1 cast of fossil skull (411206).
- Pernambuco, Universidade Federal de, Brazil. 126+ crustaceans (405265).
- Pisa, University of, Italy. 40 insects (411791).
- Portobello Marine Laboratory, New Zealand. 6 crustaceans (407859, 411826).
- Potomac Museum Group. 6 fossils (411208).

- Prirodovedecká fakulta Univerzity, Czechoslovakia. 6 insects (409588, 409590).
- Puerto Rico, Universidad de, Puerto Rico. 2 plants (414310); 14 echinoderms (411013, 411018, 411906, 412894); 1 leech (410593); 34 shrimps (410383); 10 fishes (413547).
- Queens University, Canada. 1 echinoderm (412860).
- Queensland, University of, Australia. 1 worm (412568).
- Reading, University of, Great Britain. 1 echinoderm (415462); 3 plants (412755).
- Real Jardin Botanico, Spain. 30 plants (410810).
- Remington and Marguerite Kellogg Fund. 400 fossil vertebrates (408303, 411165).
- Rio de Janeiro, Univ. do Estado do, Brazil. 66 insects (412729).
- Rochester, University of. 2 crustaceans (405341).
- Roebbing Fund. 86+ minerals (406383, 409122, 409123; 409152, 409153, 411242, 411303, 411311, 411312, 411313, 411314, 411315, 411318, 411320, 413669, 413670, 413673, 413679).
- Roland W. Brown Fund. 121 fossil plants (412191).
- Royal Botanic Gardens, England. 24 plants (410543, 414119, 414801).
- Royal Botanic Gardens, Scotland. 37 plants (412810, 414105, 414788).
- Royal British Columbia Museum, Canada. 1 echinoderm (410998).
- San Marcos, Universidad Nacional Mayor de, Peru. 19 plants (411623, 413801, 414325).
- Sao Paulo, Universidade de, Brazil. 32 plants (412548); 2 mollusks (413147).
- Sarawak Forest Herbarium, Malaysia. 21 plants (414330).
- Servicio Agrícola y Ganadero, Chile. 3 insects (414054).
- South Carolina, University of. 7 plants (406116).
- Southern Arkansas University. 8 crayfish (407742).
- Southwest Louisiana, University of. 1 shrimp (411874).
- Stuart Fund. 14 minerals (406376, 409121, 411235, 411269, 411300).
- Stuart and Chamberlain Funds. 2 minerals (411233).
- Sul Ross State University. 116 plants (411714, 413017).
- Tel-Aviv University, Israel. 89 insects (414047).
- Texas A&M University. 1 shrimp (410350).
- Texas Park & Wildlife Department. 2 insects (409063).
- Texas Technical University. 4 mites or ticks (411804).
- Tokyo University of Fisheries, Japan. 3 fishes (413516).
- Transkei, University of, South Africa. 9 plants (410853).
- Trondheim, Universitetsbiblioteket, Norway. 15 fishes (412311).
- Turku, University of, Finland. 96 crustaceans (407798).
- Utah, University of. 1 plant (414844).
- Valle, Universidad del, Colombia. 4 plants (410793).
- Venezuela, Universidad Central de, Venezuela. 11 plants (410781).
- Virginia Department of Conservation. 1 insect (411788).
- Virginia Division of Natural Resources. 5 crustaceans (407764, 411858).
- Virginia Institute of Marine Science. 2 shrimps (411878); 289 fishes (412263, 413487).
- Virginia Polytechnic Institute & State University. 4 freshwater clams (413135).
- Walcott Fund. 220 fossils (411132, 413905).
- West Florida, University of. 23 echinoderms (410999, 412917).
- West Indies, University of the, Jamaica. 9 echinoderms (411011).
- Western Australian Museum, Australia. 430 marine fishes (412242); 15 meteorites (414490).
- Wildfowl and Wetland Trust, England. 15 bird skeletons (411578).
- Wisconsin, University of. 18 plants (410798).
- Yale University. 2 insects (409053).
- Zulia, Universidad del, Venezuela. 37 plants (411984).
- Zurich, Universitar, Switzerland. 26 plants (413041, 413042).
- meteorites (411406); scientific equipment (409909).

### *Transferred Materials from other Government Entities*

- Agriculture, U. S. Department of. 273 crustaceans (407797); 4,692 insects (414024, 414037); 18 beetles (412748).
- Commerce, U.S. Department of. 1 echinoderms (412926); 102 crustaceans (256361, 405195, 410355); 54 fishes (412299, 413486).
- Department of Environmental Quality. 142 fossils (413916).
- Environmental Protection Agency, U.S.. 13,773+ fishes (411084, 414963); 1 worm (410598).
- Interior, U.S. Department of the. 372 birds (387814, 399219, 411526, 411530); 115 crustaceans (410311, 411910); 2 fishes (412273); 249 fossils (411200, 411202, 412126, 412149, 412155, 412220, 413955, 414562); 12 minerals (411243, 411282, 413674, 413717); 44 plants (410496); 231 rocks (364237, 411462); 10 slides (413862); 2 sets of drill cores (411445).
- National Biological Service. 401 fishes (414965).
- National Marine Fisheries Service. 400+ crustaceans (406087).
- National Science Foundation. 302 meteorites (414476).
- Smithsonian Institution. 7 crustaceans (407756).
- Smithsonian Institution Traveling Exhibition Service. 19 rocks (411439).
- Smithsonian National Zoological Park. lizards (373545).
- Smithsonian Tropical Research Institute, Panama. 340 plants (407136, 408404, 408827); 4 worms (412574.)

### *Donors to the Collection*

#### *Bequests*

- George W. Bain. 3 minerals (411278).
- Louis Walters. 1 mineral (404731).

## *Material Collected for the Museum*

- Dr. Pedro Acevedo-Rodriguez. 1,074 plants (411974, 411975, 411976, 413798).
- Nancy E. Adams. 14 insects (412736).
- D. Appleman: See also Timothy Rose (411497).
- Dr. Diomedes Quintero Arias. 31 insects (409041).
- Vic Avery: See also Timothy Rose (411430).
- Dr. Bruce M. Beehler. 1 bird (411590).
- Dr. Raymond W. Bouchard. 68 insects (410741).
- Dr. Michael J. Braun. 584 birds (408936, 411598, 411618).
- Dr. Mike Brett-Surman. 50 fossil reptile specimens (410187).
- D. Chaney: See also Timothy Rose (411497).
- Dr. Jon Coddington. 329 spiders and other arthropods (412733, 412744).
- Deborah Danaher. 1 echinoderm (412955).
- Dr. Don R. Davis. 1,080 insects and plants (410753).
- James P. Dean: See also Dr. Michael J. Braun (411618).
- Dr. Paula DePriest. 437 lichens (410564).
- Louise Emmons: 43 frogs and lizards (400118).
- Dr. Robert Faden: 105 plants (410844, 411963, 412487, 412775).
- Dr. Kristian Fauchald. 500+ crustaceans (407887).
- Dr. Daniel J. Feller. 50+ mollusks (410444).
- Dr. Oliver S. Flint, Jr.. 2,974 insects, 6 crustaceans (410767, 410770, 411793).
- Dr. and Mrs. Oliver S. Flint, Jr.. 9,728 insects (410765).
- Dr. Kurt Fredriksson. 52 meteorites (414489).
- Dr. Terrence Frest. 300+ mollusks (410429).
- Vicki A. Funk. 145 plants (414303).
- Gary R. Graves. 113 bird specimens (411560, 411561).
- Leslie Hale: See also Timothy Rose (411430). , See also Dr. Sorena Sorenson (411433).
- Christopher R. Hardy. 1 plant (411965).
- John Haynes: See also Dr. Sorena Sorenson (411433).
- Dr. Robert Hershler. 200+ freshwater snails (413144).
- Dr. W. Duane Hope. 65+ worms (412577).
- Dr. Nicholas Horton, III. 200 fossils (412164).
- Carol L. Kelloff. 116 plants (410534).
- Dr. John Kress. 182 plants (411700, 412506, 412545, 412976, 414350).
- J. Jerry Landye. 1000+ freshwater snails (413127).
- David B. Lellinger. 86 plants, mostly ferns (407640).
- Jon Lewis. 191 insects (414057).
- Jim Luhr. 6 rocks (411434). ; See also Dr. Sorena Sorenson (408650, 411433, 411440).
- Dr. Raymond B. Manning: 1 worm (403762).
- Dr. A.M. Frias Martins. 30+ freshwater snails (410483).
- Dr. Wayne N. Mathis. 7,701 insects (409577, 411789, 414031, 414048, 414049).
- Dr. Michael Mazurkiewicz. 1000+ freshwater snails (413121).
- Dr. William Melson. 1 rock (411443).
- Dr. Ernani G. Menez. 39 marine fishes (413527).
- Dr. Ellinor Michel. 25+ mollusks (410397).
- Natalie Nielson: See also Timothy Rose (411430).
- Albert Noonan: See also Dr. Kurt Fredriksson (414489).
- Dr. Lynne R. Parenti. 912 freshwater fishes (413478).
- Dr. Paul M. Peterson. 41 grasses & other plants (411693).
- Arnold L. Powell. 15 echinoderms (411009).
- John Pruski. 7 plants (407722, 414344).
- John Rappole: See also Dr. Pamela C. Rasmussen (411569).
- Dr. Pamela C. Rasmussen. 397 bird specimens (411569, 411622).
- Mark B. Robbins: See also Dr. Michael J. Braun (411618).
- Timothy Rose. 19 rock (411430, 411497); See also Dr. Sorena Sorenson (408650, 411440).
- Dr. Klaus Ruetzler. 13 echinoderms (412939).

- Eugene Sattler: See also Dr. Michael J. Braun (411598).
- Dr. Laurence E. Skog. 29 plants (408397).
- Dr. Sorena Sorenson. 43 rocks (408650, 411433, 411440).
- Dr. Paul J. Spangler. 5,999 insects (409592, 410756). , 50 mollusks (410756).
- Mark T. Strong. 117 plants (411961).
- Dr. James C. Tyler: 1 crab (403489). , 17 fishes (412252, 414986).
- Dr. Dieter Wasshausen. 120 plants (407666).
- Chris Wemmer: See also Dr. Pamela C. Rasmussen (411569).
- Kristof Zyskowski: See also Dr. Michael J. Braun (411618).

## *Material Received as Part of an Exchange*

- Dubi Benyamini. 16 bees (412753).
- Jerrell Daigle. 10 insects (409585).
- Dr. Mark N. Feinglos. 7 minerals (404732).
- Dr. Stuart M. Fullerton. 14 insects (409049).
- Dr. A. A. Godovikov. 16 various minerals (409149).
- Dr. B. Hofmann. 7 minerals (396381).
- Dr. John W. Ismay. 41 insects (409573).
- Marvin Killgore. 1 meteorite (409649).
- Karel Majer. 7 insects (410755).
- Dr. Bernhard Merz. 24 insects (411794).
- Thomas W. & Jane P. Nelson. 1 plant (412009).
- Dr. Shuji Okajima. 40 insects (410750).
- Dr. Masataka Sato. 16 insects (409054).
- Dr. James Schwade. 1 meteorite (411344).

## *Donations from Individuals*

- Dr. Philip A. Adam. 1 insect (410737).
- Dr. James K. Adams. 27 moths (414877).
- John Allaman. 39 minerals (411281).
- David Alligood. 306 fossils (411217).
- L. E. Anhorn. 18 spiders (409575).
- Dr. J. S. Ash. 1 partial pelvis bone of a bird (411619).
- Sheridan W. Atkinson: See also James W. Cowan (411249).

- Dr. Warren T. Atyeo. 12 mites and ticks (414042).
- Dr. S. W. Bailey. 1 mineral (409202).
- Dr. Joseph K. Balcionas. 16 moths (414036).
- Dr. George E. Ball. 5 insects (409578).
- Dr. R. M. Baranowski. 2,560 insects (411795).
- Dr. Roberto Barbieri. 8 fossils (413913).
- Carlos do Prado Barbosa. 1 mineral (409120).
- Ruth S. Barnes. 4 Somalian artifacts (400217).
- Linda Basham. 2 cicadas (414053).
- Vernon Bates. 1 plant (410784).
- John L. Baum. 1 mineral (372621).
- Eric N. Beach. 10 fossil vertebrates (407551).
- Dr. R. S. Beal, Jr.. 3 beetles (414864).
- Dr. Rudolf W. Becking. 4 plants (413802).
- Dimitrii Belakovskii. 2 minerals (413714).
- Mrs. Genevieve H. Bellis. 27 artifacts, 102 photos & 1 book (400216).
- Marcia K. Benouameur. 8 fossil mollusks (413888).
- Dubi Benyamini. 6 ants (414035).
- Joe Bernstein. 13 fossil vertebrates (409465).
- Vito Bertocci. 8 fossils & 3 casts (413899).
- Dr. Wes Bicha. 73 insects (409058, 414058).
- Dr. George H. Bick. 4 insects (414881).
- Dudley Blauwer. 1 mineral (404729).
- David J. Bohaska. 50 fish fossils (408266).
- Dr. Richard Boscoe. 4 insects (409043).
- Dr. L. Botosaneanu. 82 insects (410768).
- Jim Bourdon. 3 fossils (412215, 413950).
- Dr. David E. Bowles. 1 insect (411799).
- Marcelo Silva Briano. 18 crustaceans (407789).
- James G. Bulich. 1 cicada (414041).
- Drs. Tom & Beatrice L. Burch. 61+ mollusks (410450).
- Dr. George Byers. 4 insects (414028).
- J. Gregory Cahill. 2 rocks (411481).
- Stephen & Janet Cares. 3 minerals (413700).
- Kevin R. Chamberlain. 2 rocks (411454).
- Dr. Richard Chandler. 1 fossil whale tooth (411193).
- Dr. Jose Clarijo. 7 insects (414038, 414039).
- Carl C. Clayton. 1 lot of synthetic minerals (409180).
- Dr. Mark Cloos. 8 rocks (411464).
- H. R. Colbert, Sr.. 1 bird (411602).
- Atilano Contreras-Ramos. 552 insects (409600).
- Dr. Charles V. Covell, Jr.. 185 insects (411822, 412727).
- James W. Cowan. 8 minerals (411249).
- Elizabeth M. Cridlin. 4 fossils (410160, 410222, 411213).
- Brad C. Cross. 2 minerals (413720).
- Dr. Earle A. Cross. 5 mites (409046).
- Stephen J. Culver. 24 fossils (412206, 410246).
- Tom Cushman. 1 mineral (411307).
- Dr. D. L. Deonier. 579 flies (414027, 414868).
- Mrs. K. Sobita Devi. 1 carnelian necklace (400218).
- Harold & Doris Dibble. 1 mineral (404716).
- Dr. Henri Dillen. 1 mineral (409148).
- Dr. Daryl P. Domning. approx. 30 fossil vertebrates (410201).
- Dr. Stephen K. Donovan. 2 fossils (410168, 413869).
- William F. Douglas, Jr.. 2 fossil bones (409487).
- Trevor Dumitru. See also Dr. Juhn G. Liou (411494).
- Richard Dunn. 1 plant (414263).
- Dr. Lance A. Durden. 4 insects (412420, 412421, 412422).
- Fred S. Ellers. 1 gold specimen (409158).
- Michael Ellwood. 3 fossils (407493, 411148).
- Dr. N. J. Elton. 1 mineral (409147).
- Al Falster. 1 mineral (413716).
- Benny Fenn. 45 minerals (409200).
- Dr. Glenn Fisher. 101 insects (411809).
- Dr. Oliver S. Flint, Jr.. 191 insects (414056).
- Dr. Michael A. Floyd. 15 caddisflies (414044).
- Dr. C. Edgar Folk, Jr.. 125 artifacts (400225).
- George C. Fonger. 307 fossil vertebrates (410198, 411127, 411195, 411215, 412217, 412145, 412167, 412183, 413909, 413940).
- John M. Foster. 1 crab (407811).
- Dr. Carl Francis. 1 rock (411437).
- Dr. J. H. Frank. 2 insects (411801).
- Dr. Richard Franz. 10 insects (410751).
- Dr. Jack Frazier. 1 barnacle (337938).
- Dr. Claudio Froehlich. 18 insects (410764).
- Dylan Fuller. 1 plant (408652).
- Dr. Stuart M. Fullerton. 18 insects (410763).
- Dr. Richard V. Gaines. 1 opal (409124).
- Marilyn Galvin. 8 artifacts (400224).
- Mr. and Mrs. Lucien P. Garo. 2 artifacts (400227).
- J. L. Garrison. 7 meteorites (411394).
- Dr. Rosser W. Garrison. 12 insects (411803).
- Dr. Jon K. Gelhaus. 244 insects (410769).
- Dr. Julio Antonio Genaro. 20 insects (409601).
- Dr. Mario Gentili. 28 insects (414865).
- Ernest H. Gilmour. 12 fossils (411199).
- James B. Glover. 82 caddisflies (414034).
- Dr. A. A. Godovikov. 2 minerals (409150).
- Dr. Richard Gordon. 34 flies (411821).
- Pat Gotsis. 1 fossil skull (413911).
- Dr. Carlo Maria Gramaccioli. 1 mineral (411260).
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David, Evan, Franklin and George Chow. Ritual drum, China, Eastern Han or Six Dynasties period, 3rd–6th century, bronze (F1994.25a–b).  
Dr. and Mrs. Robert Feinberg. "Thirty-Six Poets at Leisure," by Matsumura Goshun (Japanese, 1752–1811), Edo period, late 18th–early 19th century, ink and light color on paper (F1995.11).  
Mr. and Mrs. Shigeru Fujisawa. Table, China, Ming dynasty, 16th or 17th century, lacquer inlaid with mother-of-pearl (F1995.5).  
Ruth and Sherman Lee. Allegorical figure, attributed to Nar Singh (Indian, active 1589–1604), Mughal period, ca. 1600, ink and color on paper (F1995.13).  
Elizabeth Meyer Lorentz. Inkstone in fitted, carved, wooden box with lid, China, Qing dynasty, Republic Period, late 19th–early 20th century, fine-grained rock, wood (F1995.4a–c).  
Nieces and nephews of Janet Gaylord Moore. Album on landscape paintings by Chikkei Nakabuyashi (Japanese, 1816–1867), Edo period, 19th century, ink and color on paper with brocade binding F1995.12a–l).  
Alan, Donald and David Winslow. Three prints by Hiroshige Ando (Jap-

anese, 1797–1858), Edo period, 1857,  
ink and color on paper (F1994.28–.30).

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Anonymous. Pair of manuscript covers,  
Nepal, 17th century, polychrome-  
painted wood (S1995.91a–b).

Anonymous. Set of ten sake cups in  
original, inscribed box, Japan, ca.  
1953–54, earthenware, porcelain, and  
wood (S1995.95.1–.11a–b).

Eileen Aderton. Vase, by Kawai  
Kanjiro (Japanese, 1890–1966),  
stoneware, ca. late 1930's –early  
1940's (S1994.17).

Pisarn Boonpoog. Waterjar with stand  
and lid, by Thongrochana Boonpoog,  
Kokhred, Pakkred, Nonthaburi Prov-  
ince, Thailand, ca. 1882, earthenware  
(S1994.16a–c).

Lois Connor. Collection of photographs  
of Asian landscapes, by Lois Connor  
(American b. 1951), late 20th century,  
platinum prints (S1995.16–.88).

Gregory Kruglak. Group of 39 wood-  
block prints by various Japanese art-  
ists, 19th century, ink and color on  
paper (S1994.21–58.)

Joan and Frank Mount. Cermaic vessels,  
Iran, 1350–500 B.C., ceramic  
(S1994.11–15).

Lily Overton. Hanging flower basket  
and liner, bamboo, by Tanabe  
Chikuunsai II (Japanese, b. 1910), ca.  
1965 (S1995.90a–b).

Elizabeth Sackler. Vessel (jue), 12th–11th  
century B.C., China, bronze  
(S1994.61).

William Saunders. Group of three Jap-  
anese prints, various artists, mid to  
late 20th century, woodblock print,  
ink and color on paper (S1994.18-  
20).

Hiroshi Sugimoto and the Sonnabend  
Gallery. Photograph, "Sea of  
Japan/Oki," by Hiroshi Sugimoto  
(Japanese, b.1948), gelatin silver  
print on paper, 1987 (S1995.93).

Duncan M. Whitton Revocable Trust.  
Collection of archaic bronze objects,  
Iran (Luristan), 1200–600 B.C.  
(S1995.98–113).

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- Steve Albini. Three record sleeves designed by Steve Albini, 1993-1994, U.S.A. (1995-22-1/3)
- Alfred and Elizabeth Bendiner Foundation. Prints and drawings by Alfred Bendiner, various dates. (1994-135-1/16)
- Arthur G. Altschul. Group of Rozenburg Pottery vases and plate, c. 1900, The Hague, Netherlands. (1994-117-1/6)
- Anglepoise, Ltd. Two lamps, "Anglepoise," steel enamel, c. 1930 and c. 1990, England. (1995-56-1,2)
- Anonymous Donor. Group of graphic design material, paper, 1993-1994, posters, announcements. (1995-78-1/7)
- Anonymous Donor. Daguerreotype brooch, ca. 1860, U.S.A.; Tintype brooch, c. 1870, U.S.A.; Photograph brooch, c. 1890, U.S.A. (1995-12-1/3)
- Anonymous Donor. Poster for Issey Miyake, 1994; Poster, "Design Talk." (1995-52-1,2)
- Anonymous Donor. Collection of jewelry, c. 1940-1968, Kenya. (1995-37-1/11)
- Anonymous Donor. Group of graphic design material: announcements, posters, brochures, greeting cards. (1995-77-1/48)
- Anonymous Donor. Scarf, c. 1960, Paris, France. (1995-85-1)
- Anonymous Donor. Group of topical maps, printed paper, various locations, U.S.A. (1995-71-1/13)
- Anonymous Donor. Group of posters, various subjects, designers, dates. (1994-114-1/40)
- Anonymous Donor. Group of shopping bags, c. 1990, U.S.A. (1994-111-1/6)
- Anonymous Donor. Bracelet, gold, ruby, c. 1950, U.S.A.; Earrings, gold, ruby, c. 1960, U.S.A. (1995-51-1,2)
- Anonymous Donor. Group of posters, various subjects, printed paper, C. 1950, U.S.A. (1994-109-1/20)
- Art Chantry. Group of graphic design material: postcards, CD covers, posters, book covers by Art Chantry. (1995-69-1/94)
- Asian AIDS Project. Posters, brochures, AIDS-related, U.S.A. (1995-28-1/10)
- The Baltimore Museum of Art. Portfolio of historic ornament, watercolor and ink, by Elizabeth A. Nedwill, c. 1900, U.S.A. (1994-90-1-1/51)
- Leo J. Blackman. Fabric with photo print of New York scenes, c. 1940, U.S.A. (1995-14-1)
- Andrew Blauvelt. Graphic design materials, printed paper, by Andrew Blauvelt, U.S.A. (1994-89-1/7)
- Lee Bolton. Four posters designed by Lee Bolton, 1993-1994, U.S.A. (1995-21-1/4)
- Jonathon Boorstein. Two pins, "Ruby Slippers," plastic metal, 1994, U.S.A. (1995-9-1,2)
- June Braun and Robert Leibowits. Poster, glass dish, printed paper bag and box. All c.1920, designed in The Netherlands. (1994-63-1/6)
- Brother's Network. Poster, AIDS-related, 1985, U.S.A. (1995-27-1)
- Melissa Burch. Poster, "Big Red," paper, designed by Susan Stoltz, 1991, U.S.A.
- Barbara E. Busch. Bracelet, agate, gold, c. 1870, Scotland; Brooch, silver, diamonds, c. 1810, England or France. (1994-130-1,2)
- Chuck Byrne. Group of graphic design material, by Chuck Byrne, U.S.A. (1995-63-1/11)
- Jessie B. Carlton and Carrie Carlton Helser. Scarf, lino block for scarf and design drawing for scarf. By Brents Carlton, c. 1924, U.S.A. (1994-75-1/3)
- Donald Carr. Prototype, "Video Sign-Post 101," U.S.A. (1995-58-1)
- Catholic League for Religious and Civil Rights. Poster, "Want to Know a Dirty Little Secret?," color lithograph, 1994, U.S.A. (1995-64-1)
- Cicena, Inc. Two telephones, "Home Phone Basic Unit," designed by Cicena, Inc., U.S.A. (1995-94-1,2)
- Estate of David Harris Cohen. Group of silver cufflinks designed by Georg Jensen Silversmithy, twentieth century, Denmark. (1994-113-1/55)
- Robert Coleman. Two architectural panels, cast aluminum, c. 1925, U.S.A. (1995-40-1,2)
- E. Richard Covert. Group of tableware, glazed stoneware, by Glidden Pottery, c. 1950, U.S.A. (1995-10-1/7)
- Julie Curson. Group of matchbooks, printed paper, various locations depicted. (1995-68-1/13)
- Dansk International Designs, Ltd. Cutlery, "Liisa", stainless steel, 1993, U.S.A. (1994-99-1/6)
- Gail Davidson. Three holiday cards, c. 1990, U.S.A. (1995-16-1/3)
- Department of Health, City of New York. Posters, "Decision" series, English and Spanish text, 1992-1993, U.S.A. (1995-32-1/7)
- Gilles Derain. Group of design drawings for jewelry, pen and ink, tracing paper, c. 1985, France. (1995-61-5)
- Kristina T. Ells. Woven tape for lace-making. Europe. (1995-54-1)
- Helen Federico. Booklet for Charm Magazine, printed paper, c. 1950, U.S.A. (1994-76-1)
- John Fell. Two bicycle tools, "Milk Lever," plastic, by Pedro's U.S.A., c. 1990, U.S.A. (1994-95-1,2)
- Edward Fella. Graphic design materials designed by Edward Fella, U.S.A. (1995-42-1/65)
- Louise Fili. Three book covers designed by Louise Fili, c. 1980, U.S.A. (1995-25-1/3)
- Fitch, Inc. Model of cellular telephone, "Talisman." (1995-60-1)
- Nancy Flinchum. Roll of wallpaper, "Nitty-Gritty," machine print on paper, 1968, U.S.A. (1994-127-1)
- Russell Flinchum. Tie rack, "Telstar," metal, c. 1958, U.S.A. (1994-133-1)
- Florville Design. Holiday card and envelope, cut-paper, U.S.A.; "Year Round" perpetual calendar, plastic, 1986, U.S.A. (1995-95-1,2)

- frogdesign, inc. "EO" personal computer; "Angelo" cordless telephone, group of office equipment. (1995-59-1/7)
- frogdesign, inc. Computer monitor and system unit, "NeXt," ABS plastic, 1986-1988, U.S.A. (1995-36-1,2)
- F. Schumacher & Co. Sidewalls, children's designs, by F. Schumacher & Co., U.S.A. (1994-100-1/7)
- Gallery 91. Group of office equipment, "Repro." (1995-91-1/5)
- Gallery 91. Posters, "Good Manners Campaign," printed paper, designed by Miyake Masahisa, 1992, Japan. (1994-112-1/16)
- Denis Gallion and Daniel Morris. Group of tableware and housewares: vases, tureen, candlesticks, trays—various dates, materials. (1994-118-1/26)
- Cora Ginsburg. Linen damask, made in Germany. (1994-103-1)
- Cora Ginsburg. Printed fabrics, late eighteenth-early nineteenth centuries, France. (1994-80-1/36)
- Cora Ginsburg. Dress fabric, woven silk, c. 1710, England or Holland. (1995-43-1)
- Barbara Glauber. Postcard, "Lift and Separate," designed by Barbara Glauber, 1993, U.S.A. (1995-24-1)
- Janer Laib Gottlieb. Applique and embroidery cover, c. 1960, Czechoslovakia. (1994-83-1)
- GVO, Inc. Concept model, "I/O Communicator," designed by GVO, Inc. U.S.A. (1995-88-1)
- Julia Haiblen. Group of six buttons, various dates, materials. (1994-96-1/6)
- Phyllis Harrison and Irene Spielman. Poster, printed paper, for Geoffrey Beene, c. 1990, U.S.A. (1994-110-1)
- Ariel Holdsworth. Fabric made in France. (1994-94-1)
- Jareth Holub. Vase, porcelain, by the Rozenburg Pottery and Porcelain Factory, 1907, The Netherlands. (1994-134-1)
- Herbert Hoover. Poster, "New," lithograph, by Herbert Hoover, 1994, U.S.A. (1995-66-1)
- Coalition for the Homeless. Two posters, printed paperboard, c. 1980-1995, U.S.A.: "Jesus," "Frigidaire." (1995-67-1,2)
- ICF. "The Layered Wood Chair," maple wood, designed by Timothy deFiebre, 1993, U.S.A. (1994-108-1)
- Iris Center. Posters, AIDS-related, c. 1990, U.S.A. (1995-33-1/4)
- Helen Salich James. Two architectural drawings by Warren A. James, graphite, paper, 1994, U.S.A. (1995-46-3,4)
- Simon Johnston. Graphic design materials by Simon Johnston, 1993, U.S.A. (1995-17-1/14)
- Raphael Kalkstein. Sample book color separations, design drawings for wallpaper. 1950-1970, U.S.A. (1994-77-1/18)
- Rich Kilby. Graphic design materials designed by Barefoot Press, c. 1990-1994, U.S.A. (1995-19-1/6)
- Dorothy G. Kolb. Collection of decorated papers, c. 1928-1929, U.S.A. (1994-124-1/96)
- Carole Krohn. Vacuum cleaner, Model 30, designed by Lurette Guild, 1937, U.S.A.; Pyrex percolator, glass, metal, U.S.A. (1994-128-1,2)
- Carole Krohn. Pocket Stapler, "Aceline" stapler, "Wolverine typewriter ribbon case. (1994-126-1/3)
- Stephanie Brody Lederman. Two calendars, paper, designed by Stephanie Lederman, 1989 and 1994, U.S.A.: "Plug," "Bronx Linoleum Floor." (1995-75-1,2)
- Robert Leibowits. Vase, porcelain, enamel, gilding, c. 1900, Austria; Drawing, "A Masque of Winter & Spring," 1899, England. (1995-84-1,2)
- Loewe Binatone. Telephone, "AlphaTel F Comfort Telephone," Germany. (1995-93-1)
- Joshua Mack. Portfolio, posters, various subjects, c. 1960-1970, U.S.A. (1995-38-1/28)
- David R. McFadden. Key ring, aluminum, by Miguel Calvo, 1994, U.S.A. (1995-11-1)
- David R. McFadden. Holiday card, paper, designed by Peter Stathis, 1994, U.S.A. (1995-35-1)
- David R. McFadden. Padlock, metal, designed by Tapio Wirkkala, 1975, Finland. (1994-98-1a/c)
- Maruschka. Poster, "Time for Prevention," designed by Maruschka, 1994, U.S.A. (1995-23-1)
- Elsie Melby. Vase, "BM 86," glass; Vase, "BM 85," glass. 1985-1986, Norway. (1995-57-1,2)
- Minnesota AIDS Project. Posters, AIDS-related, 1993, U.S.A. (1995-29-1/10)
- Mario Mirelez. Graphic design materials: posters, letterhead, advertisement. By Mirelez/Ross, Inc. (1994-125-1/7)
- Valerie Mitchell. Group of costume design drawings by Erte, paper, France. (1994-131-1/6)
- Gillian Moss. Queen Elizabeth II luggage label; German banknotes, various denominations, 1934. (1994-132-1/6)
- Richard Neagle. Group of design drawings for packaging by Richard Neagle. 1958, U.S.A. (1994-85-1/17)
- Meryl Moss Nesbitt. Archive of Saul Nesbitt, 1951-1980, U.S.A. (1994-84-1)
- Dirk Nienhuis. Mantel clock, patinated bronze, copper, brass, c. 1920, The Netherlands. (1995-53-1)
- The Panwy Foundation, Inc. Collection of precious tableware: perfume bottles, snuff box, cups -various countries. (1994-129-1/15)
- Edward Pope. Group of jewelry, c. 1950-1960, India. (1994-119-1/9)
- Herbert T. Pratt. Ashtray, metal, designed 1952, U.S.A. (1995-55-1)
- Quadmark. Copier, "Passport," U.S.A. (1995-89-1)
- Remington Products Co. Two hair dryers, "Aero Series," designed by Tucker Viemeister, 1994, China. (1994-86-1,2)
- Sarane Ross. Sweetmeat dish, glass, silver gilt, by Jean-Baptiste-Claude Odior, c. 1805, France. (1994-121-1)
- Royal Copenhagen, Inc. Group of office equipment, "Wave", designed by Steve McGugan. (1995-96-1/7)
- Charlotte Salisbury. By Faberge: Brooch and hair pin, gold and garnets; Glass and silver gilt jar; Pad holder, green malachite. Chess set, "The Reds and the Whites," porcelain, 1922, Soviet Union. (1994-122-1/5)
- Charlotte Salisbury. Group of jewelry: gold pendant, brooch, finger ring, various dates, countries. (1995-15-1/7)

Sam Schaeffler. Poster, color lithograph, by Coulange Lautrec, 1910, France. (1994-74-1)

Susan Siltan. Graphic design materials, printed paper, by Susan Siltan, U.S.A. (1994-88-1/9)

Jilly Simons. Group of graphic design material, letterhead designs, by Jilly Simons, U.S.A. (1995-74-1/36)

Simple Machines. Graphic design materials designed by Kristin Thomson, 1993, U.S.A. (1995-20-1/5)

SisterSerpents. Four posters designed by SisterSerpents, U.S.A. (1995-18-1/4)

Nancy Skolos. Two posters, offset lithograph, U.S.A.: "ALL-IN-1 Information Systems...", "Kloss Video Corporation." (1995-72-1,2)

Margaret Spader. Life Magazine issue, "To the Moon and Back", 1969, U.S.A. (1994-106-1)

Eddie Squires. Fabric, photo-print, c. 1950, England. (1994-81-1)

Henry S. Spencer. Group of wallpaper rolls, early twentieth century, England. (1995-13-1/7)

Alice Stern. Plate, "MacKinley", glazed earthenware, France; Glazed stoneware vase, France; Glazed stoneware match holder, France; Silver tape measure, U.S.A. (1994-105-1/4)

Alice Stern. Jeweled finial, silver, opal, France; Pendant, gold, enamel, France; Tie tack, gold, tooth, France. (1994-120-1/3)

Gilbert Tauber. Sample book, "Oriental Printing and Art Papers," printed paper, U.S.A. (1994-107-1)

Lucille Tenazas. Graphic design materials, printed paper, by Lucille Tenazas, U.S.A. (1994-87-1/9)

Transfer from the Exhibitions Department. Group of road maps, c. 1990, U.S.A. (1994-79-1/10)

Cynthia Plaut Trope. Roll of wallpaper, printed in metallic pigment, c. 1925-1935, France. (1994-78-1)

University Research Library, UCLA. Archive of lighting design drawings, 1894-1945, U.S.A. (1995-79-1)

Rick Valicenti. Five posters, color lithograph, designed by Rick Valicenti, c. 1980-1995, U.S.A. (1995-73-1/5)

Rudy Vanderlans. Group of graphic design material for music packaging by

Rudy Vanderlans, U.S.A. (1995-65-1/11)

Visual AIDS. Five posters, AIDS-related themes, 1991-1994, U.S.A. (1995-26-1/5)

Tsirl Walertzky. Laser cut cards by Tsirl Walertzky, 1982, U.S.A. (1994-123-1/6)

Waltraud Bethge Papiere. Group of office equipment, copper. (1995-92-1/4)

Seth Joseph Weine. Printing roller for wallpapers, aluminum, U.S.A. (1994-82-1)

Whitman-Walker Clinic. Poster, AIDS-related, 1993. (1995-34-1)

WMF Akriegesellschaft. Cutlery, "Taika," designed by Peter Kuster, 1994, Germany. (1995-41-1/11)

Women and AIDS Resource Network. Two posters, AIDS-related, 1990 and 1993, U.S.A. (1995-31-1,2)

Mrs. Edward J. Wynkoop. Embroidery sample by Princess Marie of Greece and Denmark. (1994-93-1)

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## Donors to the Collection

- Olga Hirshhorn, *Maquette No. 1: Study for "Terpsichore,"* 1994, pencil on paper, by Richard Fishman (94.23).
- Olga Hirshhorn, *Ambrose Vollard (Block 232 Bollinger 99)*, n.d., aquatint and etching on paper, by Pablo Picasso (94.24).
- Paul W. Hoffmann and Camille Oliver-Hoffmann, *Farm No. 3*, 1972, synthetic polymer and charcoal on fiberboard, by Richard Artschwager (94.30).
- Paul W. Hoffmann and Camille Oliver-Hoffmann, *Four Color Frame Painting No. 9*, 1984, acrylic and graphite on canvas, by Robert Mangold (94.31).
- Stéphane Janssen, *Theater of the World*, 1988, oil on canvas, by Roberto Marquez (95.2).
- Choong-Sup Lim, *Untitled (Fossil.Scape) #4*, 1993, painted rubber and steel spring on steel shelf, by Choong-Sup Lim (94.25).
- Choong-Sup Lim, *Untitled (Fossil.Scape) #5*, 1993, painted rubber and elastic band on steel shelf, by Choong-Sup Lim (94.26).
- Choong-Sup Lim, *Untitled (Fossil.Scape) #6*, 1993, painted rubber and wire on steel shelf, Choong-Sup Lim (94.27).
- The Robert Miller Gallery, *Objective Abstraction*, 1933, oil on linen, by Rodrigo Moynihan (95.3).
- The Peter Norton Family Foundation, *Black Chalkboard (Triple Eye Maestro)*, 1993, chalk and fixative on slate-painted fiberboard with artist's oak frame, by Gary Simmons (94.29).
- Searle, Inc., Skokie, Illinois, *Physician and Arthritis Patient*, 1994, plaster, by George Segal (94.28).
- The Andy Warhol Foundation for the Visual Arts, Inc. (partial gift), *Self-Portrait*, 1986, synthetic polymer and silkscreen ink on linen, by Andy Warhol (95.1).

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- AG Industries, Inc. Paper airplanes used during the Great Paper Airplane Contest.
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- E.I. Dupont Company. Tyvac used as kite making materials for Educational Services "Kite Making Workshop."
- Eastman Kodak Company. Single-use cameras distributed to those attending the "Flights of Fancy" exhibition opening event.
- Future View, Inc. Installation services for video projection in the Langley Theater.
- Fusion Lighting, Inc. State-of-the-art lighting system for "Space Hall" gallery.
- Mr. David P. Gianakos. 1/34 scale model of the Saturn V launch vehicle for "Apollo to the Moon" gallery.
- Mr. Robert A. Hinkle. Storage/Display unit for the Paul E. Garber Preservation, Restoration and Storage Facility.

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General Electric Aircraft Engines. Annual GE Aviation Lecture series during 1995.

GSCS, Inc. Repair and maintenance services for Grid computer display in "Beyond the Limits" gallery.

M&M/Mars. Candy distributed to those attending the 1994 National Air and Space Museum Trophy event.

National Aeronautics and Space Administration. Posters distributed to those attending the 1994 National Air and Space Museum Trophy event.

Novadyne Computer Systems. Annual maintenance services for computer equipment in "Beyond the Limits" gallery.

Paris Chocolates, Inc. Candy distributed to those attending the 1994 National Air and Space Museum Trophy event.

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Trans-Lux Corporation. Datawall display for closed captioning system in the Langley Theater.

United Airlines, Inc. Round-trip air transportation for winners of the 1994 National Air and Space Museum Trophy.

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Anonymous. Seated female figure from Côte d'Ivoire (1995-04-001).

Ernst Anspach. Figure of a woman and child from the Republic of Benin (1994-18-001).

Ernst Anspach. Four figurative weights from Ghana (1995-06-001, 002, 003, 004).

Mr. and Mrs. Frank Erwin. Icon from Ethiopia (1994-21-001).

Mr. and Mrs. Lucien P. Garo. Gameboard from Liberia (1994-17-001).

Deborah and Jeffrey Hammer. Emblem of office from Nigeria (1994-19-001.001-.002).

Bernice M. Kelly. Repoussé panel by Nigerian artist Asiru Olatunde, 1918-1993 (1995-07-001).

Bernice M. Kelly. Linocut by Nigerian artist Bruce Onobrakpeya, b. August 30, 1932 (1995-07-002).

Bernice M. Kelly. Pen and ink drawing by Nigerian artist Obiora Udechukwu, b. June 4, 1946 (1995-07-003).

Dr. and Mrs. Robert Kuhn. Necklace from Nigeria (1994-15-001).

Mr. and Mrs. Waldemar A. Nielsen. Screens by artist Adebisi Akanji, b. 1930s, Nigeria (1994-20-001-004).

Brother Louis Ruch, FSC. Shield from Ethiopia (1995-05-001).

Ellen B. Wells. Currency from Zaire (1994-16-001).

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Julius and Anne Akman, in honor of  
 the dedicated docents of the Renwick  
 Gallery. *Renwick Gallery*, 1992, mo-  
 saic, by Julius Akman (born 1912)  
 (1994.86)  
 Dale and Doug Anderson. *Tiptoe Ten-  
 dency*, 1993; *Cool Candy*, 1993, collages  
 by Bruce Helander (born 1947)  
 (1994.117.1.2)  
 Dudley Anderson. *San Blas*, 1967, by  
 Ed Rossbach (born 1914) (1995.54)  
 Anonymous donor. *Autumnal Warp*, fm.  
 the series, *Order from Chaos*, 1982;  
*Mendenhall* fm. the body of work, *The  
 Tongass*, 1986; CVNRA #37, fm. the  
 body of work, *The Federal Lands*,  
 1986; *Jordanelle/Autumn Equinox*, fm.  
 the portfolio, *The Sundance Equinox*,  
 1990, cibachrome prints, by Robert  
 Glenn Ketchum (1994.119.1-4a-c)  
 Anonymous donor. *Sky Cathedral*, 1982,  
 painted wood construction, by Louise  
 Nevelson (1900 Russia-1989 USA)  
 (1994.85)  
 Anonymous donor. *Modern Consciousness*,  
 1989, oil on canvas, by Daniel Sprick  
 (born 1953) (1994.79)  
 Thelma W. Bauerdorf Trust. *Breathing  
 Series*. #16, 1993, monotype on paper,  
 by Anne Neely (born 1946) (1995.7.1)  
 Mr. and Mrs. Milton Baxt, in honor of  
 Michael W. Monroe, Renwick Gal-  
 lery Curator-in-Charge, 1986-1995.  
*Blue Flesh*, 1991, blown glass and oil  
 paint, by Danny Perkins (born 1955);  
 #8 *Study in Stone*, 1989, fabricated  
 glass, granite and metal, by Jack  
 Schmidt (born 1945) (1995.36.1.2)

Ernest Birdseye Bayliss. *The Cañons of Colo-  
 rado*, n.d., mechanical reproductions of  
 photographs, by William Henry Jack-  
 son (1843-1942) (1995.49.1-16)  
 William L. Blockstein. *Vernal Elegy*,  
 1992, color lithograph by Georgia  
 Marsh (born 1950); *AGB 1+10*, port-  
 folio, 1993, etchings, by various art-  
 ists (20th c.) (1994.110.1.2.1-11)  
 Fridl M. Blumenthal, in memory of her  
 husband, Bernhardt Blumenthal. *Ki-  
 netic Brooch*, ca. 1990, 18k gold, chryso-  
 prase, cabochons, and baroque pearl,  
 by Fridl M. Blumenthal (born 1905)  
 (1994.116)  
 Bogen Photo Corp. *South Carolina Ocean  
 #2*, 1992, selenium-toned gelatin sil-  
 ver print, by Harry Kalish (born  
 1947) (1994.102)  
 Bogen Photo Corp., made possible by  
 the Perkins Center for the Arts. *Shav-  
 ing My Head*, 1994, type C print, by  
 Matt Clowney (born 1969) (1995.57)  
 A. J. Carrollman Trust. *Breathing Series  
 #9*, 1993, monotype on paper, by  
 Anne Neely (born 1946) (1995.7.2)  
 Dr. and Mrs. Thomas L. Carter. *Leroy  
 Neiman Pulls a Screenprint*, 1982; *Durer  
 at 23. in Venice, in Love, His Bags are  
 Stolen*, 1977; *Lunch with Lautrec*, 1977;  
*Goya Studies War*, 1976; *Senefelder Re-  
 ceives the Secrets of Lithography*, 1976; *S.  
 W. Hayter Discovers Viscosity Printing*,  
 1976; *Entry of Lasansky into Iowa City*,  
 1976; *The Last Printmaker*, 1978; *Pi-  
 casso at the Zoo*, 1978; *Ben Franklin at  
 Versailles*, 1976; *Rauschenberg at Tama-  
 rind in Hollywood*, 1978; *Rembrandt  
 Bankrupt*, 1978; color etchings by  
 Warrington Colescott (born 1921)  
 (1994.97.1-12)  
 Maria Emilia Castagliola. *A Matter of  
 Trust*, 1994, paper on fiberglass screen  
 with cotton thread, by Maria  
 Castagliola (born 1946) (1995.21)  
 Mr. and Mrs. William M. Clary, Laura  
 and Marvin Clary (with Jane and  
 Bert Hunecke), *Girl Standing in the  
 Mist of Heaven*, 1985, oil on panel, by  
 Lorenzo Scott (born 1934) (1994.125)  
 Carlos Cortez. *Welcome Home*, 1965, lino-  
 cut, by Carlos Cortez (born 1923)  
 (1995.1)  
 Mr. and Mrs. Bartow V. Daniels, in  
 memory of their son, Bartow G. Dan-



- iels. *Primary Colors*, 1978, acrylic, metal, mirrors and styrofoam, by Bartow G. Daniels (1952–1989) (1995.31)
- Dr. Hilbert H. DeLawter, in memory of his wife, Lori. *Untitled*, 1961, reduced stoneware with multi-glazes, by John Glick (born 1938); *Spring*, 1961, wool, by Joseph Hamling (born ca. 1939), 1995.44.1-.2
- Darlene Mason Denard. *Profile in Blue*, 1988, ink, charcoal conté on paper, by Ron Adams (born 1934) (1994.58)
- Stuart and Beverly Denenberg. *Depth Bomb*, ca. 1930, etching and drypoint on paper; *The Rainbow*, ca. 1938, linocut on paper, by Edward Hagedorn (1902–1982) (1994.83.1-.2)
- Reverend Virgilio Elizondo. *La Tienda de Elizondo*, 1993, acrylic on canvas, by Jesse Treviño (born Mexico 1946) (1994.126)
- William W. Ellis, donated in memory of A. Russell Ellis by his sons. *Landscape*, ca. 1860, oil on canvas, by Charles Herbert Moore (1840–1930) (1994.82)
- Henry David and Barbara Tannenbaum Epstein. *Selenium Ruby*, 1994, cut, polished, constructed and cast optical and dichroic glass and vitrolite, by Michael Taylor (born 1944) (1994.94)
- Joan Farrell. *Double Summer*, 1991, two raku sculptures, by Susan Kemenyffy (born 1941) and Steven Kemenyffy; (born 1943) (1995.38)
- Matthew Fraser, for Caitlin Holcomb, Douglas Holcomb, Lacy Presley, Anna Presley, Jessica Presley, Matthew Brenner, Thomas Brenner. *Siblings*, 1990, 5-color reductive linocut, by Judith Linhares (born 1940); *Cutaway*, 1989, color linocut with Japanese papers, by Robin Winters (born 1950); *Life's Lures*, 1985, etching; *Life's Comet*, 1985, mezzotint; *Up or Down Hill*, 1991, color mezzotint with chine collé by (C) Rayberry (born 1952); *Habitat*, 1990, eight-color linocut with chine collé, by Hunt Slonem (born 1951); *Untitled*, 1990, etching (various techniques), by Michael Tetherow (born 1942) (1995.18.1-.7)
- Robert B. Green. *Cartoon for "Palinello"*, 1934, conté crayon on paper; *Phantasmagoria*, 1985, brush and ink and pen and ink with white highlights on paper; *January Lark*, 1986, watercolor on paper; *Chloe with Tobias and Angels*, 1980, watercolor on paper; *Alice's Reverie*, 1987, watercolor on paper; *Cyclamen*, 1989, watercolor on paper; *Palinello II*, 1934, egg tempera on gessoed masonite; *Angels of Light and Darkness*, 1950, egg, oil, casein on a gesso ground on imported herringbone weave hemp canvas; by Robert B. Green (born 1909) (1995.19.1-.8)
- Arthur Fribourg (bequest). *Nude on the Rock*, n.d., brown marker on paper, by Milton Avery (1893–1963); *Ruis*, 1977, color lithograph, by Nancy Graves (born 1940); *After the Harvest*, 1970, aquatint and intaglio, by Mark Tobey (1890–1976) (1995.62.1-.3)
- Hand Graphics. fm. portfolio *Revisited*, 1995: *Untitled (New Mexican Site)*; *Untitled (Interior Site—rust ink)*, *Untitled (Ryan 21)*; *Untitled (Interior Site—deep brown ink)*, photo-electric intaglios, by Nathan Oliveira (born 1928) (1995.55.1-.4)
- Susan Harder, in honor of Pat Chieffo. *Untitled*, 1971 (possibly later print), gelatin silver print, by Andre Kertesz (1894–1985), (1994.112)
- Nancy Heller. *Bird and Microphone (a.k.a. Canary)*, 1953, linocut and lithograph; *Icarus and Mysterious Stranger*, 1982, monotype; *Portrait of Pablo O'Higgins*, 1947, linocut; *Self-Portrait*, 1947, lithograph; *Clown*, 1952, color lithograph; *Phoenix*, 1984, monotype, by Jules Heller (born 1919) (1994.122.1-.6)
- Lloyd E. Herman, Director Emeritus of the Renwick Gallery in memory of Paul Vickers Gardner, Curator Emeritus, Division of Ceramics and Glass, National Museum of American History. *Untitled*, 1969, hot formed glass, by Dominick Labino (born 1910) (1994.101)
- Olga Hirshhorn. *Poster from the Armory Show*, ca. 1913, Letterpress and silk-screen, by an unidentified artist (1994.70)
- Lee Hoffman. *Malcolm as Grünwald*, 1982–1983, drypoint on zinc plate with watercolor and gouache on paper; fm. portfolio *It is Now Early May*, 1994: *Rough and Tough (I)*; *Dragons sous la lune (II)*; *Flourimond et Raymond regardent une table immense (III)*; *Mon neveu avec les cheveux de Jerome (IV)*; *Sauce Pimentée (V)*; *L'Église Tourmentée (VI)*; *Taze Dansant (VII)*; *Le Paysage de L'Air (VIII)*; *Nous Attendons Avec nos Chapeaux (IX)*; *Encore Toi! (X)*; *Le Vieil Homme de la Forêt (XI)*; *Trente pas vers la Chine (XII)*, gravures, by Lee Hoffman (born 1942) (1994.99.1.2.1-.12)
- Robyn and John Horn. *Spoon from a Forgotten Ceremony*, 1994, dogwood, by Norm Sartorius (born 1947) (1994.75)
- Mr. and Mrs. Bert Hunecke (with Mr. and Mrs. William M. Clary, Laura and Marvin Clary). *Girl Standing in the Mist of Heaven*, 1985, oil on panel, by Lorenzo Scott (born 1934) (1994.125)
- Charles T. Isaacs, Jr. *Hunting by Stream in Melville Bay...*, 1873, albumen print, by Dunmore and William Bradford Chritcherson, (19th c.); *Castle Geyser Cone*, n.d., mammoth albumen print, by F. Jay Haynes (1853–1921); *The Manger*, 1900, platinum print, by Gertrude Kasebeir (1852–1934); *Tropical Scenery: The Terminus of the Proposed Canal-Limon Bay*, 1870, albumen print, by John Moran, 19th c.; *Editor (man in odd hat at table with writing...)*, 1850s, daguerreotype, by an unidentified artist (19th c.); *Family at Niagara Falls*, c. 1860s, ambrotype, by an unidentified artist (19th c.) (1994.90.1-.6); *38th General Hospital, Camp Bowie, Texas, July 3rd, 1942*, ca. 1940s, gelatin silver print, by Walton Studio (ca. 1940s) (1995.8)
- Dr. Charles T. and Alma Isaacs, Sr. *Valley of the Yosemite from Union Point*, 1872, by Edward Muybridge (1830–1904); *Cathedral Rocks, Susquehanna near Meghoppin, LVRR*, 1899, mammoth albumen print, by William H. Rau (1855–1920); *Corn Shocks and Sky*, ca. 1920s, platinum print, by Doris Ullman (1844–1934); *Witches Rock near Echo City. Utah*, ca. 1870, mammoth albumen print, by Carleton Watkins (1824–1916); *Mirror Lake. Yosemite*,

- 1865, mammoth alumen print, by Charles L. Weed (1840–1903) (1994.89.1-.5)
- Girard Jackson. *Study for Paderewski Concert, Carnegie Hall*, ca. 1913–14; *Standing Figure study for Paderewski Concert, Carnegie Hall*, ca. 1913–14, charcoal drawings on paper, by Theresa Bernstein (born 1885) (1994.106.1,.2)
- Frederick Jules (with Gabriel Zepecki). *Cove*, ca. 1988; *Night*, ca. 1988, monotypes, by Mervin Jules (1912–1994) (1994.96.1,.2)
- Max Kahn, Estate of (bequest). sketches for *Greenhouse*, 1950, charcoal on paper; *Rising Sun Farm*, 1953, oil on canvas, by Lee Gatch (1902–1968) (1995.23.1-.4)
- Ron Kent. *Footed Vessel*, 1993, Norfolk Island pine, by Ron Kent (born 1931) (1994.103)
- Jim Kitchens, in honor of Michael Ford. *Untitled* sculptures, 1986, mixed media, by Humberto Dionisio (born 1950) (1994.118.1,.2)
- Rebecca Klemm. *Cabbage Vase on a Pedestal*, 1993, wheel thrown, carved and incised porcelain with celadon glaze, by Cliff Lee (born 1951) (1995.39)
- Judge William G. Kocol. *Brain Trust (Conference)*, 1935, oil on masonite, by Jack Levine (born 1915) (1994.88)
- Alan and Michael Lipton. *Untitled* drawings, 1957, 1959, 1971, 1972, 1982, 1982, oil crayon on paper, by Seymour Lipton (1903–1986) (1994.98.1-.6)
- Michael Mazur. *Nightswimmer*, 1983, by Michael Mazur (born 1935) (1995.68)
- Sam and Alfreda Maloof, in honor of Michael W. Monroe, Renwick Gallery Curator-in-Charge, 1986–1995. *Michael W. Monroe Low-back Side Chair*, 1995, zircore, by Sam Maloof (born 1916) (1995.29)
- Alfred T. Morris, Jr. *Untitled*, n.d., oil on masonite, by Ralph Scarlett (1889–1994) (1994.123)
- Jan Myers. *Golden Warriors*, n.d., serigraph, by Guy Maccoy (1904–1981) (1994.109)
- Benjamin P. Nicolette. *River House*, 1980, painted wood and dirt, by William Christenberry (born 1936) (1994.92)
- Michael and Justine O'Donovan. *Headlands VI*, 1965 (signed 1985), etching, by Gordon Cook (1927–1985) (1995.33)
- Georgia O'Keeffe Foundation. *Cityscape with Roses*, 1932, oil on canvas; *Special No. 32*, 1914, pastel on paper, by Georgia O'Keeffe (1887–1986) (1995.3.1,.2)
- Mrs. William Ordway Partridge. *Bust of Percy Bysshe Shelly*, n.d., by William Ordway Partridge (1861–1920) (1994.73)
- Gerald L. Pearson. *John Henry*, 1979, oil on canvas; *Green Window*, 1970, oil on canvas, by Fred Brown (born 1945) (1995.22.1,.2)
- Sue and Bernie Pucker, in honor of Irving and Charlotte Rabb. *Large Vase with Cover*, 1991, porcelain with honan tenmoku glaze, by Brother Thomas Bezanson (born 1929) (1995.63)
- Roderick S. Quiroz. *The Bridge, Sunday*, 1952; *Black on Black. Pittsburgh*, 1948; *Orpheus—The Look Back*, 1953; *Sunday Night in the Plaza*, 1961; *Self-Reflection at Museum of Modern Art*, 1971, lithographs, by Prentiss H. Taylor (1907–1991) (1995.45.1-.5)
- John Raimondi. *In the Fifth Season II*, 1985, by Gregory Amenoff (born 1948) (1994.113)
- James Renwick Alliance. *When She Was Bad...*, 1994, painted wood, rift white oak, pau amarello, hand-made paper, by Roseanne Somerson (born 1954) (1995.32); *Rehoboth Meander: Quilt #159*, 1993, machine pieced cotton and silk; machine quilted, by Michael James (born 1949) (1994.76); *Huntress*, 1933, bronze, gold-plated bronze, blown glass and plate glass, by Dan Daily (born 1947) (1994.77); *Tea Service*, 1991, teapot: sterling silver with rosewood; sugar and creamer: sterling silver with cloisonné enamel lids, by Maureen Banner (born 1946) and Michael Banner (born 1939) (1994.78.1-.3); *Necklace*, 1954, cast sterling silver, by Ronald Hayes Pearson (born 1924) (1995.6); *G. W. Cabinet*, 1994, painted wood, by Tommy Simpson (born 1939) (1995.13); *Ooh! I am Precious #21*, 1987, gold and silver papercord and canvas, by Gene and Hiroko Pijanowski (born 1938; born 1942) (1995.14); *Fruit Still Life*, 1994; *Opaque Apple*; *Zanfirico Apple*; *Zanfirico Plum*; *Opaque Pear*, hand-blown glass sculptures, by Flora Mace (born 1949) and Joey Kirkpatrick (born 1952) (1995.16.1-.4); *Teapot Goblet (#260)*, 1991; *Teapot Goblet (#94-14)*, 1994; *Teapot Goblet (#324)*, 1992; *Teapot Goblet (#3206)*, 1992; *Teapot Goblet (#94-17)*, 1994, hand-blown glass, by Richard Marquis (born 1945) (1995.24.1-.5); *Bracelet*, (1988), sterling silver, 18k gold, metal and slate, by Rachele Thiewes (born 1952) (1995.26); *Head Vase with Large Lips*, 1988; *Head Vase with Jagged Hair*, 1988, cast bronze with relieved and burnished edges, carnauba wax, by Janet Prip (born 1950) (1995.42.1,.2); *Red Group*, 1995, blown glass vessels, by Dante Marioni (born 1964) (1995.88.1-.3); *Noon Mark*, 1995, bronze, by Jonathan Bonner (born 1947) (1995.60); *Log Cabin Maze*, 1992, hand-painted, hand-quilted, and machine-sewn dyed fabric, by Ellen Oppenheimer (born 1952) (1995.66)
- James Renwick Alliance, in honor of Michael W. Monroe, Renwick Gallery Curator-in-Charge 1986–1995. *Monkey Settee*, 1995, walnut and bronze, by Judy McKie (born 1944) (1995.67)
- James Renwick Alliance (and museum purchase). *Arabian Seasons*, 1994, glass, paint and plastic, by Therman Statom (born 1953) (1995.5)
- Park and Phyllis Rinard, in honor of Nan Wood Graham. *Shrine Quartet*, 1939; *Family Doctor*, 1940; *March*, 1939; *Sultry Night*, 1939; *Honorary Degree*, 1938; *January*, 1938; *Fertility*, 1939; *Seed and Harvest Time*, 1937; *July Fifteenth*, 1938; *In the Spring*, 1939; lithographs, by Grant Wood (1891–1942); *Coyotes Stealin' a Pig*, 1927, lithograph, by John Steuart Curry (1897–1943); *Sons of Peace*, 1934, lithograph, by John T. McCurcheon (1870–1949) (1994.115.1-.12)
- Dr. S. Dillon Ripley II and Mary Livingston Ripley (partial and promised gift). *Washington Sea Eagle*, (ca. 1836–1839), oil on canvas, attributed to

- John James Audubon (1785-1851) (1994.121)
- George and Dorothy Saxe, in honor of Michael W. Monroe, Renwick Gallery Curator-in-Charge, 1986-1995. *Implied Movement*, 1986, blown, cut and polished glass, by Harvey Littleton (born 1922) (1995.35)
- Paul and Deane Shatz. *Dislocations Suite*, 1995, chine collé, intaglio, silkscreen, and monotype on artist-made papers, by Christopher French (born 1957) (1995.28.a-f)
- Rosalind Solomon, in memory of Harryette Cohn. *Turkey*, 1995; *Staten Island Ferry—New York*, 1987; *Staten Island Ferry—New York*, 1987, gelatin silver prints, by Rosalind Solomon (born 1930) (1995.17.1-3)
- Lenore and Allan Sindler. *Untitled*, ca. 1976, earthenware with acrylic paint, by Bennett Bean (born 1941) (1994.100)
- Smithsonian Women's Committee in Honor of Michael W. Monroe, Renwick Gallery Curator-in-Charge, 1986-1995. *Black Textured Jar*, 1994, box elder, fossilized ivory, India ink and lacquer, by John Jordan (born 1950) (1995.41)
- Bernard and Estelle Sobie. *The Forest*, ca. 1964; *Blue Churn on Yellow*, ca. 1964; *Red Boat on Blue*, ca. 1964, crayon/craypas drawings on paper, by Eddie Arning (1898-1993) (1994.105.1.2)
- Lionel Sosa, Ernest Bromley, Adolfo Aguilar of Sosa, Bromley, Aguilar and Associates. *Mis Hermanos*, 1976, acrylic on canvas, by Jesse Treviño (born Mexico, 1946) (1994.74)
- Samuel and Marilyn Stern. prints from the series *African Sculpture*, 1935, by Walker Evans (1903-1975) (1994.III.1-.10) (1995.9.1-.10)
- Louis K. Stone Art Trust. *Untitled* (2140), 1945, watercolor and gouache on paper, *Untitled* (2074), 1939, watercolor and gouache on paper; *Untitled* (2149), 1940, watercolor and gouache on paper, by Louis K. Stone (1902-1984) (1994.124.1-3)
- Marjorie Tyre Sykes. *Birch Bark*, n. d., pen and ink, watercolor, acrylic; *The Cage*, n. d., color lithograph; *Street in Guanajuato*, n. d., lithograph; *Adeste Fidelis*, n. d., lithograph; *Calsada de Guadalupe*. *Guanajuato*, n. d., lithograph; *Untitled (soldier walking along tents at night)*, n. d., watercolor and pencil on paper; *Pemaguid*, 1984, pen and ink wash drawing; *Colosseum*, n. d., etching and aquatint; *Trellis*, n. d., color etching; *Caterpillar*, n. d., etching (sepia); *Maine Coast Two*, n. d., color lithograph; *Zen Garden Two*, n. d., black and white lithograph, by Maltby Sykes (1911-1992) (1994.108.1-.12)
- University of Tennessee. *Hokes Bicentennial View*, 1994, color lithograph, by Beauvais Lyons (born 1958) and Robert Cothran (born 1930) (1995.56)
- Leila Usher. *Francis James Child*, 1891, plaster bas relief, bronzed, by Leila Usher (1869-1955) (1994.71)
- The Andy Warhol Foundation for the Visual Arts (and museum purchase). *Untitled (Eyeglasses)*, 1976/1986, six stitched gelatin silver prints, by Andy Warhol (1928-1987) (1995.64)
- Marc Wise. *Walcott*. *Iowa*, 1990; *Sayre*, *Oklahoma*, 1988; *Wise*. *North Carolina*, 1989, color photographs, by Marc Wise (born 1964) (1994.69.1-3)
- Don and Carol Wiiken (and museum purchase). *Asymmetry Necklace*, 1992, glass, silver, copper and 18k and 14k gold, by Julie Anne Mihalisin (born 1962) (1994.114); William P. Wright, Jr. fm. *The Tiguas: Pueblo Indians of Texas*, 1994: *Tigua Women Dancers*; *Ramona Paiz Residence*; *A Tigua Family*; *Johnny Hisa and the Rio Grande*; *Ramona and her TV*; *Grandsons of Attwood*; *A Tigua Wedding*; *Cacique Trinidad Granillo*; *Herminia Silvas*; *Breadmaker*; *Shotgun*; *Joe Sierra and Grandson*; *The Whipping Ritual*; *Tribal Dancers*; *Cacique Granillo and Mary Jojola*; *Cacique Enrique Paiz*, gelatin silver prints, by William P. Wright, Jr. (born 1933) (1994.93.1-15)
- Tomás Ybarra-Frausto. works on paper, various dates, by various Hispanic artists (20th c.) (1995.50.1-.60)
- George C. Zachary, in memory of Devlin Mario Archie. *Vase*, ca. 1970, glazed earthenware, by Beatrice Wood (born 1893) (1994.104)
- Gabriel Zepecki (with Frederick Jules). *Cove*, ca. 1988; *Night*, ca. 1988, monotypes, by Mervin Jules (1912-1994) (1994.96.1.2)

## National Museum of American History

### Donors to the Collections

- Rear Adm. Faye G. Abdellah, R.N., Ed.D., Sc.D., FAAN, USPHS (Ret.): Dr. Abdellah's Class A U.S. Public Health Service uniform including a jacket, skirt, shirt, tie, shoulder bag, black pumps, black hose, cap, cap cover, and a hat box, 1980s (1992.0453)
- Rita J. Adrosko: brown leather hat, made in France for Lord & Taylor Department Store, 1967-69 (1994.0201); woman's clothing of the 1970s including 2 blouses, a skirt, and a dress (1994.0323)
- Harold H. and Marjorie A. Alexander: boxed set of 15 sample papers hand-made from agricultural refuse and weed fibers, researched and made by Mr. and Mrs. Alexander, 1994 (1995.0184)
- Nancy M. Allen: 5 nightgowns acquired by Miss Allen for her wedding trousseau in 1944 (1994.0159)
- American Type Culture Collection (through Dr. Frank Simone): 2 shipping cannisters, 2 sets of ampules, a cane to hold ampules, and a circular slide rule, all related to shipping infectious materials (1995.3043)
- Leathy N. Anderson (through Susie Smith): man's watch chain made of brown human hair woven into a decorative design, "Carrie" and "1893" are written on the fob attachment (1994.0374)
- Anne Arundel County Central Services (through James F. Ryan): 12 pistols and 3 revolvers (1993.0444)
- Anonymous: covered aluminum bowl made by Buehner-Warner of the Pfaltzgraff Company of York, Pennsylvania, 1930-59 (1995.0110); tin-

- plated sheet iron open-topped kettle painted rust-orange, 19th century (1995.0221).
- Government of Antigua and Barbuda, Barbuda Post Office, Philatelic Bureau: 44 stamps and 6 first day covers of Antigua and Barbuda (1993.2024); 34 stamps, 6 first day covers, and a miniature sheet of Barbuda (1993.2097).
- University of Arkansas, John Brown Watson Memorial Library (through Edward J. Fontenetto): dried cotton plant in a box (1990.3028).
- Betty J. Askin (through Norman M. Sevin): linen hand towel embroidered by "Mary A. Kraft the January the 30 1840" (1994.0352).
- AT&T Network Systems (through Joann M. Pacifico) and Bell Atlantic Network Operations (through Edward H. Sproat): 10-piece control unit of the #1-ESS electronic switching system, the first such system used in the U.S. which went into service in Succasunna, New Jersey, used 1965-91 (1993.0247).
- Jalil Azzouz: diazo print of sheet music, photocopy of sheet music, and a photocopy of a newsletter article (1994.3116).
- Mrs. Basidio Balkinson: pair of man's black wool trousers with a silk lining, hook-and-eye closure is patent dated 1894 (1994.3115).
- Stanley M. Barkin in memory of Daniel Barkin: concert program from Duke Ellington's 1943 debut at Carnegie Hall (1995.3079).
- Bruce S. Bazelon: 217 pieces of military insignia, badges, buttons, and medals (1979.0130).
- Miriam Lloyd Beall and Richard Louis Lloyd: 3 man's black silk bow ties, 1935, and a pair of man's white kid leather gloves, 1895-1905 (1995.0050).
- Marion R. Behr: print by Marion and Omri Behr using their patented electroetch method, 1993 (1995.0183).
- Arthur A. and Lanenne L. Beltrone: invasion vest used in WW II (1994.0025).
- Bradley F. and Virginia W. Bennett: 391 ancient Greek coins made of bronze, silver, potin, and billon (1993.0493); 307 ancient Greek and Roman coins of Asia Minor (1994.0023); 319 silver and bronze ancient Greek coins (1994.0104).
- Sharon N. Berger: infant's coat, cap, and sacque, all made and embroidered for Ms. Berger by her grandmother in 1946 (1995.0091).
- John M. Bergey: 15 mostly Pulsar wrist watches and watch mechanisms showing the origin and development of the electronic digital watch, the research of which was directed by Mr. Bergey, a Pulsar advertising sign of the early 1970s, and a plastic sample case (1994.0354).
- Maryrose A. and Neal S. Bezoenik: Gordon platen jobbing printing press, ca. 1858 (1994.0380).
- Dara Minocher Bhor: 2 silver medals with portraits of Mr. Bhor (1994.0290).
- William L. Bird: plastic President Clinton face mask (1995.0029); 2 issues of *Time* magazine, 1938 (1995.0059); 18-piece corn service set and an acrylic kitchen knife (1995.0112).
- Mr. & Mrs. E. J. Blume: Vitascopes motion picture projector (1994.0333).
- Richard Bogard: 9 pharmaceuticals, 2 photographs, and an advertising tie tack (1991.0415).
- Elizabeth I. Bonnes: Permutit domestic water softener and its original instruction card, ca. 1928 (1995.0120).
- Banco Central do Brasil, Departamento do Meio Circulante (through Jose dos Santos Barbosa): 3-*reais* proof silver coin of Brazil, 1995 (1995.0192); (through Antonio Carlos Meda): silver proof coin commemorating the tercentenary of the establishment of the Brazilian Mint, 1994 (1994.0393); 8 bank notes and 5 steel coins of Brazil, 1994 (1995.0031); silver proof coin commemorating Brazil's World Cup soccer victory in 1994 (1995.0075).
- Geralyn R. Breig, Elizabeth T. Rella, Joseph G. Rella, and Mary Ellen Rella in memory of Joseph and Marie Rella: blue Kodak Petite camera (1995.0046).
- Deborah Bretzfelder: woman's mutton-shaped off-white net undersleeve decorated with a blue velvet ribbon and lace trim, 1860-75 (1995.0150).
- Brookhaven National Laboratory, Associated Universities, Inc. (through Bernard J. McAlary): set of 5 "coat hangers," transparent plastic retroreflective bars for illuminating particle tracks in the 80-inch hydrogen bubble chamber, ca. 1964 (1988.0766); documentary material of the 80-inch bubble chamber including 11 films of particle tracks, 6 reels of audio tapes of operations, a film of construction, log book, operations manual, and a user package (1995.3003).
- Francis W. Brown: slave whip with wooden handle and leather strap (1993.0507).
- Mrs. W. N. Brown: woman's gray silk bustle dress, muslin drawers, muslin chemise, and a white cotton robe, all 1873, woman's pale green silk gauze stole, 1800-25, and a child's pale blue silk coat, 1882 (1994.0346).
- Donald C. Burnham: Napoleonic coach model made by Mr. Burnham in 1931 for the Fisher Body Craftsman's Guild contest, the original wooden base, a box of dies and brasses, and 2 junior division first place award ribbons (1993.0501).
- Sal Buscema: 23 original storyboard drawings, a script, and a published comic book, all for Spiderman stories by Mr. Buscema (1994.0196).
- William E. Bustard: 2 plans drawn by Mr. Bustard of the skipjack *Flora A. Price*, originally built in 1909 at Champ, Maryland (1994.3095).
- University of California, Lawrence Berkeley Laboratory (through Brigitte Fitzsimmons and Dr. Leroy T. Kerth): emulsion-scanning microscope, "Frankenstein" track-measuring machine, 4-inch hydrogen bubble chamber, and an inflatable gasket, 1950s-60s (1989.0171).
- Capital Film Labs (through John Gant): tripod head (1995.3015).
- Bobb Carson: motorized midget car built by Mr. Carson, with his father's help, from plans purchased from *Popular Mechanics*, 1955 (1995.0153).
- Prof. Lester Earl Casida, Jr.: box containing a vial of crystalline penicillin

- G sodium, labeled as being assayed in September 1946 by the Upjohn Company (1994.0359).
- Elizabeth Chabanoff, M.D. (through Rev. Serge Kotar and The Very Rev. Stefan Pavlenko): woman's black silk dress with embroidered ecru tissue linen shawl collar, made by Bouet Soeur of Paris and sold in New York, 1913–18 (1994.0262).
- Robert G. Chamberlain: 2.5 cubic feet of archival material documenting numerical control of machinery and Mr. Chamberlain's role in its development (1995.3009).
- Chick Publications, Inc. (through Rita McGarity): 170 Protestant religious tracts and publications printed in 39 languages (1993.0552).
- David E. Christie in memory of Elise Eugenia Hagan Carlier and Harry Raymond Arnold: man's 3-piece black wool wedding suit and an extra wool and silk vest, ca. 1895 (1994.0116).
- Citizen Watch Company, Ltd., Corporate Communications Division (through Youichi Urabe and Yukoh Yamamoto): watch whose time can be regulated by very low frequency radio waves associated with an atomic clock for extreme accuracy, 1993 (1993.0177).
- Camilla S. Clough: plastic Barbie doll Christmas tree ornament, 1994 (1995.0111).
- Barbara J. Coffee: woman's plaid mohair, wool, and nylon bag, 1970s (1994.0238).
- Helen D. Colison in memory of Alvina and Fred Drew: folio of 42 photographs showing the construction of the reinforced concrete foundation of the Lincoln Memorial in Washington, D.C., done by the Fred Drew Company, 1914–15 (1995.0207).
- Kenneth R. Colwell (through Russell E. Colwell): 19th-century American treadle loom with a 100-hook French jacquard head mechanism, card sewing board, card hand punch, and a set of punches (1992.0034).
- Mary C. Combs: objects relating to Mark Farmer's First Ladies Dolls including 5 clothing patterns, a doll kit, and an Emily Donelson doll assembled from a kit (1993.0580).
- David and Harriett M. Condon: match rifle made by Morgan James and Edwin Phillips of Utica, New York, mid-19th century (1994.0395).
- Coolican: child's 2-piece dresses, skirt, and a blouse, all of cotton, 1850–75 (1995.0151).
- P. S. Corbin, Ruth Ann Skaff, Thomas Skaff, and Melanie S. Wood in memory of Elaine Khoury Skaff and Rev. Thomas Skaff: 5 cubic feet of documents, correspondence, photographs, artwork, and books relating to the career of Rev. Thomas Skaff as a priest in the Antiochian Christian Orthodox Church in America (1995.3047).
- Rosemarie A. (Harmon) Costick: U.S. Marine Corps enlisted man's green uniform coat and trousers worn by Sgt. Frederick George Harmon, 1918–19 (1994.0086).
- Colleen K. Cotter in honor of Elizabeth Crehan Minitier: Timesaver typing copy stand made by the Lineatime Manufacturing Company, given to Mrs. Minitier when she left her bank job to marry during WW II (1993.0564).
- George A. and Lily K. Coury: 9 family photographs and a souvenir program from the 1959 Overseas Convention of the National Association of Federations of Syrian and Lebanese American Clubs (1995.3022).
- Dan C. Cowman, M.D.: glass vial sample of Dr. Jayne's Sanative Pills, late 19th to early 20th century (1993.0443).
- Henry P. Crawford: Eastman Kodak folding pocket camera (1994.3105).
- Mario Cruder and Stanley Suzdak: Watson regulator, Foster regulator, Pendelton steam service control, gauge tester, and a bayonet lock valve seat (1995.0107).
- Joseph G. Curry, Jr.: 15 photographs and 3 patent certificates (1994.3081).
- Winifred Curtis-Stebbins: 750 homeopathic medicines used by Dr. Winifred Woodmans Curtis and her mother, Ethel R. Woodmans, over an 80-year period (1988.0190).
- Government of the Czech Republic, The Postal Museum (through Pavel Ctvrtník, Ph.D.): 38 stamps and 4 souvenir sheets of the Czech Republic and Czechoslovakia (1993.2127).
- DEJA, Incorporated (through Julie M. Lewis): 10 samples of material, most from recycled contents, used to make a DEJA shoe, and a shoebox made from recycled cardboard, 1993 (1995.0105).
- Alan H. Darby: 2 small amateur printing presses made in Baltimore, Maryland, a printing wheel marking device, pamphlet about one of the presses, and a trade card featuring a boy printer (1992.0608); Multigraph duplicator with roller, empty oil can, and a set of miscellaneous accessories (1993.0008).
- Delores Ziton David: calendar of the Antiochian Christian Orthodox Church (1994.3099).
- Harry T. Davies: Elto outboard boat motor, 1927, with a rudder that functions as a cooling system (1995.0189).
- Clyde Dawson: page of Universal Product Codes and a Marsh Supermarket cashier's smock with the name tag "Betty," worn by Betty Kessler who was the first person to scan a UPC coded label at point-of-sale, 1974 (1994.0341); 24 food containers with Universal Product Codes for scanning technology (1994.3123).
- S. LeRoy Deavenport and Judith D. Mitchener: Kodak Cine 16mm movie camera (1994.0299).
- The Deep River Historical Society, Incorporated (through Edith M. DeForest): 0.13 cubic foot of archival documents relating to the firm of Pratt, Read & Company and its predecessors, ca. 1863–68 (1995.3033).
- Berthe Delkin: pocket watch with a gold nugget-encrusted case, made by Anton L. Delkin when working in Nome, Alaska, 1906 (1994.0160).
- Robert Dennis: 10 stereoviewers, 4 stereographs, a set of eye pieces, and a sliding holder (1995.3049).
- Irwin Dermer: 4 color photolithographs (1994.0367).
- Jane des Grange: 19 cubic feet of historical ephemera, dated from the late 1700s to ca. 1978, including trade advertisements and catalogues, fashion

- plates, magazines, photographs, account books, etc., collected by historian Gladys Reid Holton (1992.3188).
- Hyman Diamond: composing stick and a cylindrical calculator for type measuring on the Monotype keyboard (1994.0209).
- Katherine Dickason: man's striped tan cotton gauze handkerchief, 1949 (1995.0147).
- Donald S. Dinsmore: Blatz beer can and a Schlitz "Tall Boy" beer can (1993.3015).
- Lilian Price Dixon: 2-piece tan silk and lace wedding dress, 2 photographs, and a wedding certificate, all used by Lilian Brockert Roberts Price who was married June 8, 1881 (1994.0179).
- Joan Donahue: black machine-knitted silk shawl, 1850-99 (1995.0148).
- Anne Doniger in memory of Paul Doniger: Revolutionary War era officer's saber and flintlock Kentucky type rifle (1994.0370).
- Joel Dorn: 5 cubic feet of recording session logs, ledgers, accounting sheets, correspondence, photographs, and newscippings documenting the career of Mr. Dorn at Atlantic Records (1995.3087).
- Albert Doumar: 2 ice cream cone mandrels used to lift the waffle from the griddle iron and shape the cone, 1920s and 1970s (1993.0572).
- Margaret Driggs in honor of Camile Quarrier Bradford and Ruth Woelfle: woman's traveling satchel, 1870-1900 (1994.0193); 2 hair ornaments, 1920-35, and a woman's purse with a scene of New Orleans, 1974-76 (1994.0375).
- Eve Drossos: Greek *bouzouki*, a stringed musical instrument made in the second quarter of the 20th century (1995.0130).
- Louis F. Drummeter, Jr.: pamphlet, "1962 Official Fallout Shelter Plans for Home & Family" (1995.0027).
- Douglas L. Dunbebin: 2 T-shirts, a tote bag, and a button, all featuring President Clinton and his saxophone, designed by Mr. Dunbebin as a fund raiser for Habitat for Humanity, 1992-93 (1995.0028).
- Duncan Industries (through Dennis E. Brown and Richard T. Farrell): Duncan AutoParq electronic personal parking meter, 1994 (1994.0266).
- E.I. du Pont de Nemours & Company Incorporated (through Catherine L. Andriadis): empty cylinder for SUVA non-ozone-depleting alternative refrigerant and a refrigerant recovery unit (1993.3164).
- Willis H. du Pont: U.S. silver dollar of 1804 in the "draped bust" design and a \$5 gold coin struck in Stockton, California, in 1850 (1994.0391).
- Earth Day USA (through Patricia Hill): 2 posters and a bumper sticker commemorating Earth Day and its goals, 1990-93 (1994.3090).
- Nanci K. Edwards: pair of pruning shears (1993.3142).
- Central Bank of Egypt, Note Issue Department (through Fanauk El Ashu): Egyptian 100-pound specimen bank note, 1994 (1994.0392).
- Government of the Arab Republic of Egypt, The National Postal Organization, Philatelic Office (through Omar Amer): 36 stamps of Egypt (1993.2085).
- Elias Brothers Restaurants, Inc. (through William H. Morgan): videotape cassette of the "Elias Brothers Through the Years," about Elias Brothers Restaurants including Big Boy Restaurants (1994.3118).
- Marion K. Elias in memory of David G. Elias: Lebanese style copper and iron still used to make *arak* by Mr. Elias in Utica, New York, 1930-75 (1994.0058).
- Charlotte T. and Loretta Ellis: 9 pieces of correspondence, an Arabic book, notebook, photocopy of a driver's license, naturalization certificate, and a U.S. citizenship certificate, all of which belonged to Anthony Elias Ellis and Marie Ellis (1994.3117).
- Edward Epremian: Leeds & Northrup portable potentiometer (1995.0103).
- Ralph E. Eshelman: 18 sets of paper labels for various canned seafood from packing companies in Washington State (1995.3048).
- Martha M. Evelyn: General Electric sun lamp and its original box, 1950-65 (1994.0313).
- Elizabeth M. Everall: woolen Greek bag, 1968-72 (1990.3135).
- Government of the Faroe Islands, Philatelic Service, The Faroese Postal Administration: 85 stamps, 8 first day covers, and a souvenir sheet of the Faroe Islands (1993.2091).
- Floralee Felsenthal: single shot German pistol, Belgian revolver, and a German dagger with scabbard (1994.0254).
- Fender Musical Instruments Corporation (through Daniel J. Smith): electric Stratocaster guitar made from a 1957 design and an electric bass guitar made from a 1967 design, both made by Fender in 1995 (1995.0186).
- Dr. Eugene S. Ferguson: 0.33 cubic foot of documents from Dr. Ferguson's tenure as president of the Society for the History of Technology, 1977-80 (1995.3057).
- Jane Adams Finn: Social Security card issued to Alfred L. Herrington, 1950s (1995.0025).
- Carolyn E. Fix: 2 woman's floral brooches and a pair of off-white cotton gloves with the original box, 1949-50 (1995.0052).
- Shelly Jayne Foote: woman's clothing including 3 dresses, 2 blouses, a T-shirt, denim trousers, sweater, and a jumpsuit, 1974-88, and a Garfinkel's Department Store box, 1970-87 (1994.0153).
- Mrs. R. H. Frain: 2 man's silk and linen waistcoats with floral embroidery, 1780s (1994.0256).
- Beatrice and Jacques Francais: 10 violin cases, 18th and 19th centuries (1994.3114).
- John Gallaher: binder of MITS Altair documentation (1994.3089).
- David L. Ganz: Chinese bank note, 1980 (1995.0054).
- Hyman J. Gardsbane, O.D.: 3 sets of glass eyes, 2 individual glass eyes, and a broken glass eye showing its hollow interior, probably made in Germany, early 1900s (1994.0133).
- Carole S. Geithner: clothing from the wedding of Florence and Henry Benson, great-grandparents of Ms. Geithner, on November 12, 1902, including the woman's dress, sash,

- mitts, petticoat, drawers, shoes, stockings, and 2 corset covers, and the man's shirt and vest (1994.0206).
- Daphne deL. Gemmill: 2 pamphlets produced for Earth Day 1970, one about automobiles and the other about water pollution (1995.3065).
- Geochron Enterprises Inc. (through James M. Kilburg): illuminated world time indicator clock showing time zones, date, and the sunrise and sunset positions, 1993 (1993.3067).
- Gibbs & Cox, Incorporated (through Clifford G. Prime): 29 sets of design drawings of the S.S. *United States* (1994.3121).
- William E. Gilbert: 2 slide rules and a Dalton "Dead Reckoning Course Computer" plotting board (1995.0087); set of drawing instruments sold by the Hirshberg Art Company of Baltimore, Maryland, ca. 1918 (1995.0125).
- Arlyn S. Gill: pass to the Democratic Congressional Campaign Committee's Democratic Party Election Night on November 8, 1994 (1994.0337).
- Deem A. Gillmore: 7 Armed Services edition paperback books, WW II (1993.3018).
- The Honorable Newt Gingrich: 2 copies of *TV Guide* magazine for the week of October 22-28, 1994, containing the Republican National Committee's "Contract with America" (1994.0369).
- Gold Bond-Good Humor Ice Cream (through Lawrence A. Link): 4 buttons, a measuring tape, emblem, coin apron, belt, hat, and a set of pushcart bells, all used by persons selling Good Humor ice cream (1994.0143).
- Alan N. Gold and Joseph A. Verones: Toro Fly-Mo push lawnmower (1992.0203).
- Mary A. Goles and Ruth Hunter Sobolewski in honor of the Wedel Family: 13 pieces of Homer Laughlin's refined earthenware dishes in the Angelus pattern including 2 serving plates, 2 dinner plates, 2 bowls, a relish bowl, serving bowl, sugar bowl, cream pitcher, gravy pitcher, salt dish, and a cup with saucer (1994.0215).
- Martha Goodway: Amana Radarange Model RR-1, developed in part by Ms. Goodway's father, John T. Goodway, 1950s (1995.0034); set of fabric samples and receipts, wedding announcement, patterned stockings, and a light green rayon crepe dress made by Elizabeth Bliss Tinkham for her marriage to John Tomlinson Goodway on August 3, 1933 (1995.0053).
- Vice President Albert Gore: 11 Christmas decorations made from recycled materials (1995.3039).
- Archie Green: U.S. silver dollar of 1923 presented to Mr. Green upon the launching of a ship on which he worked to build, ca. 1941 (1994.0296).
- Virginia Lee Grimes: 2 Eastman Kodak box cameras, both patented in 1902 (1995.0040).
- Paul B. Girso, Jr.: Westclox Bull's Eye open-faced "dollar" pocket watch, ca. 1962 (1993.0368).
- Calvin B. and Marilyn B. Gross: bronze busts of musicians Louis Armstrong and Benny Goodman made by sculptor Ed Dwight (1994.0400).
- Dr. Phillip D. Grub: hand-pulled newspaper delivery cart, used by the *Washington Evening Star*, ca. 1927 (1994.0203).
- Gurley Historical Services (through William H. Skerritt): 2 surveyor's chains made by W. & L. E. Gurley of Troy, New York, one 20 varas in length and the other 10 meters in length (1994.0280).
- Bernard Hahn: Mississippi River clam shell with 12 holes drilled through it from which buttons were made (1993.3191).
- John R. Halko: stock certificate in the Swarthmore National Bank and Trust Company, Pennsylvania, and a flawed dollar bill of 1969 (1994.0291).
- Constance Gay Morenus Hammerman: set of 2 photographs of, and a sketch with poem by, Pocahontas Virginia Gay (1992.0534).
- David S. Hamrick: political banner used to support James K. Polk's presidential campaign in Dallas, Texas, 1844 (1995.0080).
- Harley-Davidson, Inc. (through Richard F. Teerlink): 1993 Harley-Davidson FLHTC-U Electra Glide Ultra Classic motorcycle commemorating the company's 90th anniversary (1994.0226).
- Samuel E. Harris, Jr. in memory of Reba A. Harris: woman's wool clothing including 2 coats, 1957-65, and a 2-piece gray suit, 1952-57 (1994.0178); 2 pairs of man's Rockport shoes and their original shoeboxes, 1990-91 (1994.0322).
- Donna D. and John D. Hartigan and Patrick J. and Sherry McGarry in memory of Flora and Len Hartigan: brown leather Spalding football with autographs, 1920s (1994.0162).
- L. L. Hassoun: Middle Eastern cookbook by George P. and L. Louise Hassoun, 1989 (1995.3031).
- Rosina Hassoun: 2 photocopies of Middle Eastern songbooks, 1958 and 1975, photocopy of an article about Arab-Israeli conflict, 1989, and a newsletter with an article by Ms. Hassoun, 1993 (1994.3097).
- Robert M. Hazen: square fortepiano made by Carl Toefling of Gotha, Germany, ca. 1820 (1995.0233).
- Daniel A. Healy, BMCS, USCG: photograph album documenting a 1935 cruise to Bermuda aboard the yacht *Migrant* (1994.0297).
- Catherine W. and Jerome E. Henderson: decorated brass and silver trombone acquired in Leipzig, Germany about 1900 by a member of John Philip Sousa's Concert Band (1994.0273).
- Linda M. Henderson: 10 uniform items worn by Col. Pauline E. Maxwell of the U.S. Army Nurse Corps, and an embroidered pillowcase, 1943-73 (1993.0224).
- Linda M. and Richard A. Henderson: 3 hats, 3 caps, 2 shirts, a collar tab, and a raincoat, all worn by Col. Pauline E. Maxwell of the U.S. Army Nurse Corps, 1943-73 (1993.0449).
- Jules Herstein: military-issued Jewish prayer book used by Mr. Herstein during service in WW II (1993.0505).
- Dr. Sue Hickmott: neckerchief decorated with the combat history of the U.S.S. *Canberra* in the Pacific theater



- of war, used by Ronald Atkinson, 1941-45 (1993.0455).
- Michael E. Hill: pair of man's reptile skin platform boots, 1973 (1994.0151); man's silver belt buckle with an abstract inlaid shell design, made in Mexico, 1973 (1994.0199).
- Warren Himmelberger: 2 Massachusetts automobile license plates, 1910 and 1915 (1994.0267).
- Hoffman & Hoffman (through Michael L. Hoffman): obverse and reverse dies for the William Jefferson Clinton inaugural medal, 1993 (1993.0588).
- Richard Hollerith, Jr. for the Herman Hollerith family: 2 weights, a tabulating machine component, tube, and a wooden box, all associated with inventor Herman Hollerith (1995.3037).
- Homer Laughlin China Company (through J. D. Conley): Fiesta signature ceramic plate, 1994 (1994.0234).
- Dr. John M. Hood: chart of the infrared spectrum of the sun produced by Samuel P. Langley and Charles Greeley Abbot at the Smithsonian Astrophysical Laboratory in Washington, D.C., published in 1901 (1995.0063).
- Richard L. Hopkins: set of braille type made by the American Type Founders Company and a set of steel matrices for casting braille characters for a multigraph machine (1994.0270).
- Houston Museum of Natural Science (through Truett Latimer): 6 groups of objects from the 1969 voyage of the S.S. *Manhattan* through the Northwest Passage including an oil barrel, 47-piece survival sled, 23-piece set of ice boring equipment, 14-piece set of documentation, 11-piece survival kit, and a 2-piece voyage logo sign and stamp set (1993.0494); 3 groups of objects from the 1969 voyage of the S.S. *Manhattan* through the Northwest Passage including a set of 7 food pouches, set of 7 matchboxes, and a set of 5 canvas bags (1993.3208).
- Charles R. Howe IV: traveling shaving kit, provided to customers of United Air Lines, containing an Enders razor and Glider shaving cream in their original box, 1947-55 (1994.0157).
- Betty A. and Roger W. Hubbell: Kodak disc camera, Minolta disc camera, and a Rollei 35mm camera with a Toshiba flash attachment (1995.0131).
- Government of Hungary, Enterprise de la Poste Hongroise, Direction Generale: 4 stamps and a souvenir sheet of Hungary (1993.2145).
- J. B. Hutton, Jr.: Edison Voicewriter dictating and transcribing machine and a set of vinyl discs, ca. 1950 (1993.0277).
- Government of India, Ministry of Communications, Department of Posts (through S. K. Parthasarathy): 16 stamps of India (1993.2105).
- Government of the Republic of Indonesia, Directorate General of Posts and Telecommunications (through Baringin Barubara): 36 stamps of Indonesia (1993.2129).
- Government of the State of Israel, Ministry of Communications, Philatelic Services: 11 first day covers of Israel (1993.2099).
- Theodore J. Janssen: ice cream scoop, ca. 1876, and a baster, napkin holder, spoon set, plate set, and a serving tray set, 1940s-50s (1995.0115).
- Alice Mokarzel Jaoudi: 28 family photographs and 0.15 cubic foot of family documents (1994.3093).
- The Bank of Japan, Issue Department (through Toshitaka Sakoda): 8 Japanese coins commemorating the opening of the Kansai International Airport and the Asian Games, 1994 (1994.0320).
- J. J. Johnson: King Silver Sonic slide trombone, stamped on the silver bell as being presented to Mr. Johnson "in recognition of his unique contributions to American music, June 26, 1976" (1994.0358).
- Mrs. Mary Ellen Johnson: sample of Enovid oral contraceptive made by G. D. Searle and Company of Chicago, Illinois (1991.0883).
- Juliana C. and Robert M. Jones in memory of their father, Thomas J. Jones: 2 baseballs, one autographed by Babe Ruth and the other autographed by Connie Mack (1993.0460).
- Jordan: black silk net shawl with a woven floral design, 1920s (1994.0257).
- Wayne M. Joseph: notebook and a videotape cassette of the Joseph family genealogy (1994.3098).
- Sylvia E. Josif in honor of Simon Yousif Estfan and Victoria Saigh Estfan: miniature camel made from fabric wrapped around lamb's bones, made by Julia Hanna Saigh (1994.0277).
- Phyllis H. Joyce: Spanish military revolver with leather holster (1994.0255).
- Junghans Uhren GmbH (through M. Kiolbassa and Dietrich Rosin): radio-controlled Junghans Mega I wrist watch with original packaging (1993.0367).
- Lila Kadaj: 2.75 cubic feet of archival materials related to the singing careers of Amer and Sana Kadaj (1995.3021).
- Lawrence J. Kamm: 2 Pickett calculating rules, a Multiflex curve, and a pamphlet of instructions for a Decimal-Keeper slide rule (1995.0126).
- Linda Lichtenberg Kaplan: woman's silk vest handmade by designer Sao which is number 4 in a limited edition of 50, 1975 (1995.0017).
- Edward K. Kaprelian: portrait photography lens with a sliding barrel, patented by Ulrich Nehring on February 9, 1904 (1994.0332).
- Nicoletta Karam: 2 biographical excerpts, a manuscript, and a photograph, all pertaining to Arab American author Afifa Karam (1995.3030).
- Celine Karraker: 7 diaries of Leo H. Baekeland, 1925-30 (1994.3055); 9 diaries of Leo H. Baekeland, 1927-35 (1994.3056); 8 diaries of Leo H. Baekeland, 1936-42 (1995.3073).
- Constance L. Kelly (through Kathryn DuBois Elliott): silver gelatin photograph, it's original glass plate negative, and a frame, photograph taken in 1885 by R. L. Kelly of "The Bull Train" showing 250 head of cattle pulling 30 wagons to haul freight in South Dakota (1995.0002).
- Frances Hall King: 2 pin cushions, a set of 3 spools of crochet thread, and a



- length of silk ikat stripe fabric (1994.0184).
- Todd Alan Kinser: 17 pieces of man's clothing including 4 pairs of blue jeans, 4 neckties, 2 pairs of jogging shorts, 2 pairs of boxer shorts, a pair of Bermuda shorts, briefs, khaki trousers, T-shirt, and a 2-piece suit, and a woman's black nylon Wonderbra brassiere (1995.0085).
- Amy Loeserman Klein: framed color photograph of 2 John Deere combines in a soybean field by William Eggleston (1994.0368).
- Belle Kogan: 14 pieces of household glass, 7 pieces of ceramics, and a plastic tumbler, all designed by Ms. Kogan, 1940-64 (1992.0257).
- C. Everett Koop, M.D.: Dr. Koop's Class A U.S. Public Health Service uniform including a jacket, trousers, shirt, necktie, cap, and a name tag, 1980s (1992.0452).
- Government of the Republic of Korea, Ministry of Communications, Bureau of Posts, Postage Stamps and Philately Division (through Kwak Tae-geun): 36 stamps and 12 souvenir sheets of Korea (1993.2043).
- Alfred Koury, Jr.: 89 photographs and 0.6 cubic foot of family papers (1994.3111).
- Krest Products Corporation (through Rick DiMarzio): 12 burgundy combs made of du Pont Delrin plastic, 1993 (1993.0408).
- Mark A. Kritiz: Earth Action poster and button, 1970 (1995.3064).
- Karen E. Krueger: 16 uniform items worn by Hilda Lois Johnson when serving in the Women's Auxiliary Army Corps during WW II (1992.0488).
- Tsugio Kubota: 5 commercial product containers designed by Mr. Kubota and others at Landor Associates (1993.0544).
- Rev. Abram G. Kurtz in memory of Ellen Scheifley Kurtz: nearly completed piece of Duchess tape lace mounted on a printed pattern worked by Mrs. Kurtz, early 20th century (1995.0007).
- C. B. Landberg: white cotton crocheted minidress, 1967-69 (1994.0194).
- Landis & Gyr Powers, Inc. (through Gary P. Lukas): 8 thermostats and regulators, a damper motor, pneumatic switch damper control board, and a balancing relay (1994.0269).
- Landor Associates (through Jean Marc Bara): 50 cubic feet of archival material documenting the designing of product packaging and graphics by Landor Associates after January 1, 1973 (1993.3206).
- Walter and Josephine Landor Revocable Trust (through Ted Mitchell): 50 cubic feet of archival material documenting the business and personal history of Walter Landor before December 31, 1972 (1995.3036).
- George J. Lannen: pamphlet, "Technical Manual, Converter M-209," prepared by the War Department, Chief Signal Officer, 1942 (1978.3004).
- Harry J. Lasell, Sr. in memory of Cmdr. Harvey Lasell, USN (Ret.): cased set of duelling pistols made by E. P. Caron of Paris, France, 1852-74 (1994.0309).
- Prof. Kennon A. Lattal: 2 laboratory manuals covering studies of conditioned response and operant behavior of animals (1995.3066).
- Melvin Lerner (through Adelaide Kaplan and Frances Smyth): 3,158 objects from World's Fairs and Expositions of the 19th and 20th centuries collected by Larry Zim (1989.0438).
- Sidney H. Liebson: 3 deForest AudioT-ron audion tubes (1995.0066).
- Dean C. Lincoln: mechanical Bible study device consisting of a scroll with color lithograph scenes, a box-like container for the scroll, and a key used to turn the scroll in the box, 1902 (1994.0164).
- Lionel Trains, Inc. (through Richard P. Kughn): 9 Lionel/Smithsonian 20th Century Limited model railroad cars, reproduced from the original cars styled by Henry Dreyfuss in 1938 (1994.0239); (through Nicholas J. DeGrazia and Richard P. Kughn): locomotive engine model of the Pennsylvania Railroad K-4 with tender, trackbase, sound box, and storage box, and 4 model railroad cars for the 20th Century Limited locomotive model (1995.0030).
- Leland L. Locke: 55 calculating machine components, 5 groups of documents concerning George B. Grant, 2 sets of documents and a photograph album about calculating machines, and 2 adding machines (1983.3003).
- Mrs. Walter C. Louchheim: man's brown felt hat, 1950s (1994.3086).
- Lewis G. Lowe: 8 commercial product containers designed by Mr. Lowe and Landor Associates (1993.0543).
- Steve Lubar: Multi calculating rule set including 2 thermal controls, a sleeve, and an instruction sheet (1995.3051).
- Government of the Grand Duchy of Luxembourg, Entreprise des Postes et Telecommunications, Direction Generale, Office des Timbres: 20 stamps of Luxembourg (1993.2141).
- Maria Maccaferri: plastic guitar designed by Mario Maccaferri, 1954 (1994.0136).
- Dick Mackay: sign, "NOTICE! Mario Cuomo is NOT here - it is a RUMOR!", which had been posted at a hall where Cuomo was supposed to appear during the New Hampshire Primary Campaign, 1992 (1995.0024).
- Michael B. Margolius and Kurt F. O'Connor: 2 black Western electric French style telephones of the 1920s and 1930s (1995.0043).
- Dr. Frank Maria: 2.5 cubic feet of documents relating to Dr. Maria's career and his involvement in the Syrian Lebanese American Federation (1995.3046).
- University of Maryland School of Nursing Alumni Association (through Jean W. Keenan and Judith E. Littlejohn): cotton and lace nurse's cap patterned after the cap worn by Florence Nightingale about 1860 (1995.0139).
- Massachusetts General Hospital: set of Mazda foil-filled flash bulbs, manufactured by General Electric, contained in Sylvania packaging (1994.0345).
- Massachusetts Institute of Technology, Laboratory for Nuclear Science

- (through Richard Adams): multiwire proportional chamber, and a pencil drawing of the experiment layout, from the J-particle experiment of Samuel C. C. Ting at Brookhaven, New York, 1973-74 (1989.0050).
- McKee Button Company (through Jay McKee): sample box of McKee polyester buttons, ca. 1994 (1994.3041).
- James Edgar Mead and Virginia Lee Mead: Chinese black lacquered trunk containing 25 pieces of clothing, 3 baby carriers, and a commemorative wall hanging, all used by the Lee B. Lok family, 1885-1935 (1992.0620).
- Ruth L. Meehan: woman's jacket of ecru-colored tape lace over white silk gauze, 1901-3 (1995.0149).
- Betty J. Meggers: 2 coins of Cuba, 1992, a coin of Bermuda, 1986, silver sports commemorative medal of the city of Santo Domingo, and an unofficial certificate designed for the War Finance Committee by Walt Disney, 1944 (1995.0076).
- Curtis G. Mellen: boxed dry-card boat compass made by Samuel Thaxter of Boston, 1792-1822 (1995.0014).
- Selma Merkin in memory of Lester Merkin: U.S. silver dollar of 1795, in the "draped bust" design, and a silver proof commemorative Lafayette dollar of 1900 (1994.0288).
- Government of the United States of Mexico, Servicio Postal Mexicano, Departamento de Asuntos Internacionales, Oficina de Convenios y Aguerdos (through Jorge E. Aldana Margain): 35 stamps of Mexico (1993.2062).
- Fred Milkie: 4 convention catalogs from the Western Federation of Lebanese and Syrian Arab American Clubs, 1959-70 (1995.3027).
- Irving Miller: 3 brochures and an advertising pull-out card, all relating to the Sanforizing process to control cotton fabric shrinkage (1993.3202).
- Ruby C. Miller: 2 issues of the *Farmer's Bulletin*. 1921 (1994.3127).
- Millipore Corporation (through Thomas Anderson): 2 videotape cassettes of the Millipore teleseminar titled "Bioresearch Tools for the 1990s" and a videotape cassette titled "Miligen Bioresearch Sequenert Protein Entrapment Chemistry," dated July 28, 1989 (1990.3202).
- State of Missouri, Department of Natural Resources, Missouri Geology and Land Survey Division (through Dr. James H. Williams): pocket sextant made by E. & G. W. Blunt of New York in the first half of the 19th century and a carriage odometer which clamped onto a wagon wheel to operate, made by A. S. Aloe of St. Louis in the last half of the 19th century (1994.0147).
- University of Missouri—Rolla, Department of Civil Engineering (through Dr. R. W. Stephenson): surveying compass patented by James M. Lilley of Greenville, Virginia, 1857, and manufactured by F. W. & R. King of Baltimore (1994.0377).
- R. Madison Mitchell, Sr.: 9 duck decoys made by Mr. Mitchell in 1975 (1994.0188).
- Government of the Principality of Monaco, Postes et Telecommunications, Office des Emissions de Timbres-Poste: 29 stamps and a souvenir sheet of Monaco (1993.2147).
- Robert Mondavi: Chateau style oak wine barrel made in France by the Seguin Moreau cooperage firm, 1990 (1993.3034).
- Mary O. Monte: woman's navy blue plaid coat with bars of peach, periwinkle, and magenta colors, 1940 (1995.0114).
- Howard W. Mordue: bottle of Hostetter's Bitters patent medicine and a hanging show globe (1988.0618).
- Mrs. John H. Murray: 3 perfume bottles, 2 stickpins, a cigarette lighter, stud set, tie bar, and a manicure set, 1910-60 (1994.0061); brownish-purple wool coat, brown felt hat, and the original hat box, all acquired by Mrs. Murray in December 1978, and a brown and white polyester scarf, 1978-79 (1994.0200); 4 stipple engravings of street criers published by S. & J. Fuller of London, 1812 (1995.0094).
- Ann B. Muth: woman's camisole style slip with beige medallion-parterened lace and openwork embroidery, handmade in Paris for Laura Fondeville, 1920s (1995.3055).
- Judie C. Neel and Barry O. and Robert M. Weinshenker in memory of Simon Weinshenker: Victory Edition of *Pacific Newsweek* magazine printed in Tokyo, September 10, 1945 (1986.3086).
- Government of the Netherlands, Royal PTT Nederland NV, PTT Post BV (through J. W. A. Mijne): 72 stamps of the Netherlands (1993.2033).
- New York Academy of Medicine (through Steven A. Pelovitz, J.D.): 9 vials of radium, 2 blue glass vials, a pharmaceutical hourglass containing radium, radium detector, wire device, and a display case, all related to the work of Drs. Marie Curie and Robert Abbe (1993.0262).
- New York Yacht Club (through Robert B. MacKay): club yearbook of 1880 (1993.0506).
- Nike, Inc. (through Joseph D. McCarthy and Mark Thomashow): 4 cubic feet of advertising materials of Nike, Inc. including videotape cassettes, tearsheets, business records, and correspondence, 1970-91 (1991.3087).
- Joseph Veach Noble: 7 bronze medals issued by the Society of Medalists including a 6-medal set picturing dinosaurs designed by Don Everhart and a medal of Old Kabul Bazaar designed by Amanullah Haiderzad (1995.0088).
- Larry A. Noble: color print titled *Sheridan's Ride*. by Mr. Noble, ca. 1984 (1984.3065).
- George A. Norton: Nikon 8x Super Zoom motion picture camera and 12 accessories (1994.0298); Vernon flash gun reflector, made in Japan (1995.3016).
- Government of Norway, Norwegian Post Stamp Bureau: 41 stamps, 7 first day covers, and 3 souvenir sheets of Norway (1993.2089).
- Madeleine Noumair: *The Syrian American Directory Almanac*. Vol. I, published in 1930 (1994.3014).
- State of Oklahoma, Oklahoma Department of Transportation (through John F. Crowley): "Oklahoma US 66"

- shield-shaped route marker (1993.0282).
- Jean M. Olsen: blue jumper and a black neckerchief worn by Charles Gilette Pratt while serving in the U.S. Navy, 1864–65 (1993.0433).
- Gregory Orfalea: book of poems by Mr. Orfalea, 1988 (1994.3100).
- Craig A. Orr: photograph of a nurse with patient at Base Hospital #34 in Nantes, France, dated August 14, 1917 (1993.3167).
- Raymond A. Osbourn: Keuffel & Esser model 4088-5 slide rule (1994.0376).
- Rudy Padilla: 12 *panos*, painted handkerchiefs made by Mexican American prisoners in New Mexico jails (1993.0150).
- Government of the Republic of Panama, Direccion General de Correos y Telegrafos, Departamento de Filatelia: 12 stamps of Panama (1993.2082).
- Donna L. Parsons: film about a polluted river made by a high school student for the first Earth Day observance in 1970 (1994.3091).
- Ginette V. Patch: 6 woman's dresses and gowns and 6 muslin dress patterns, all designed by Mrs. Patch's mother, Charlotte Villaret, 1945–63, and a Julius Garfinckel & Company clothing box, 1960–90 (1994.0263).
- Alice Paul Centennial Foundation, Inc. (through Jill Zahniser): wooden drop-front desk used by Susan B. Anthony and Alice Paul and 170 pieces of suffragette memorabilia which belonged to Alice Paul (1987.0165); 461 photographs, 68 postcards, 43 sets of magazines, 10 texts, 3 newspaper clippings, 2 folders, a set of negatives, and a note, all related to suffragette Alice Paul (1991.3016).
- Les Paul (aka Lester W. Polfusen): Gibson's "Les Paul" model studio electric guitar, 1984, owned and played by Mr. Paul (1993.0579).
- Pierce Chemical Company (through Ralph T. Farmer): 4 sets of Slide-A-Lyzer dialysis cassette units invented by Carl Clark, Ph.D., at Pierce Chemical Company (1995.0188).
- Dan and Mary Ann Pocapalia: 0.33 cubic foot of archival material documenting the manufacture and sale of Kit mobile homes (1995.3004).
- Government of Poland, Muzeum Poczty i Telekomunikacji: postal souvenir card of Poland for Christmas 1992 (1993.2041).
- Christina A. Popenfus: paper fan picturing a girl with hymnal and a bank advertisement, 1945–60 (1994.0152); woman's clothing and accessories including 6 dresses, 4 necklaces, a pair of shoes, black tights, knit leggings, sweater, and an elastic vest clip, 1987–94 (1995.0084).
- Carol E. Porter: coat and vest set, 1975–80, and an Ancient MacLaren tartan kilt, 1979, all worn by Kent Worth Porter for Scottish country dancing (1993.0468).
- The Presidential Museum (through Timothy M. Hewitt): Presidential Directory educational kit containing portraits of the presidents from George Washington to James E. Carter (1994.3079).
- Al Prueitt and Sons, Inc. (through David J. and Sandra Prueitt): 4 samples of green embroidered silk, leather, and pile carpet used in a 1933 Duesenberg automobile (1993.0554).
- Wilhelmine E. Pryor in memory of Lewis A. Pryor: instruction leaflet for using Taylor's adjustable type mold (1994.0382).
- Government of the State of Qatar, Ministry of Communication and Transport, Department of Posts (through Abdulrahman Jaber Muftah): 20 stamps of Qatar (1993.2037).
- QUALCOMM Incorporated, OmniTRACS Business Unit (through Dr. Irwin Mark Jacobs): OmniTRACS Complete Satellite System consisting of a communications computer, external antenna, and an operator's keyboard and display unit (1994.0384).
- Elizabeth Rawlinson: woman's black silk crepe evening dress with leopard print silk jacket, designed by Geoffrey Beene, 1987–89 (1994.0321).
- Keith S. Reid-Green: 18 sets of documentation relating to tabulating equipment and computers (1994.3128).
- Franklin J. Richards: pair of man's gloves and pair of woman's gloves, both of white kid leather with shell buttons, worn for a wedding in 1912 (1995.0038).
- Col. Eri H. Richardson, AIA and USAF (Ret.) and Phyllis Richardson: cannonball from the War of 1812 excavated from the west bank of the Patuxent River in Maryland (1994.0005).
- Dorothy Riddle: 2 buttons, 2 letters, and a leaflet, all from recent political campaigns (1995.0026).
- Mary Livingston Ripley: woman's black and white diagonally-striped silk tea gown designed by Arnold Constable & Cie, 1885–1900 (1994.0361).
- Alice Robinson: Silvertone 12-string electric guitar, ca. 1960, and a hand-made foot-operated electric *fotdilla* for bass accompaniment, both played by Jesse Fuller (1994.0053).
- Franklin A. Robinson, Jr.: 2 "show" T-shirts from plays in which Mr. Robinson acted including *The Pirates of Penzance* and *White Jacket*, 1987 and 1992 (1994.0304).
- John Rockett: Mark IV computer program, 1955–60 (1981.3013).
- Stephen J. Rogers: set of experimental telegraph wires, ca. 1850, used by Henry J. Rogers who worked on development of the first telegraph line in the U.S. (1995.0067).
- J. William Rosenthal, M.D.: voodoo pain doll with pins applied and a gris-gris bag worn around the neck to alleviate pain (1994.0059); 3 pairs of Chinese spectacles (1994.0075).
- Cathy L. Cox Roznovsky: pair of inflatable yellow plastic boot forms, 1967–68 (1994.0294).
- Harry R. and Max Eli Rubenstein: child's T-shirt with cartoons by R. Flores, made for the 15th Annual Great Labor Arts Exchange, Labor Heritage Foundation (1994.0300).
- Fath Davis Ruffins: 2 paper patterns for woman's dresses in an African American style, 1970–75 (1993.3004).
- SAS Philatelic Club (through Niels Sommer): 21 first flight covers of the

- Scandinavian Airlines System (1993.2021).
- Terry M. Sachs: 6 instruction pamphlets, 2 boxes for slide rules, and an IBM logic template (1995.3023).
- Mehrdad Sadigh: ancient Greek Parthian silver *drachm* with a bust of Parthamaspatēs (1995.0089).
- Frank Salerno: Marchant Figurematic calculating machine, early 1950s (1994.0307).
- Helen Samhan: 2 issues of the *New Lebanese American Journal*. 1971–73, a *New York Times* article, photograph of a Lebanon American Society dance, 1947, Gibran International Peace Conference poster and program, 1986, and a dedication catalog and programs for the Kahlil Gibran Memorial Garden, 1991 (1995.3076).
- Mr. and Mrs. William Santillo: woman's striped silk dress of the 1860s (1994.0360).
- Sarns Incorporated (through T. R. Engels): model 5000 heart and lung machine with a heater-cooler unit (1994.0366).
- Edward J. Schantz: vial of Botulinum toxin type A, vial of Oculinum, empty vial for Botulinum toxin, photomicrograph of Botulinum toxin crystals, gel diffusion apparatus, military test kit, and a patent certificate awarded to Mr. Schantz for the test kit in 1958 (1995.0190).
- Robert A. Schein, M.D.: American Standard hemacytometer, an apparatus used to count red blood cells, containing a Levy-Hausser counting chamber, ca. 1938 (1994.0032).
- Richard S. Schlein: 710 pieces of obsolete 19th-century paper currency issued mostly by state chartered banks in New Jersey and New York, 1807–1864 (1993.0583); 400 pieces of 19th-century U.S. paper currency (1994.0390).
- Clarence Schmarje: 2 button sawheads and a Barry cast iron button tumbling machine (1993.0511); 8 sets of river shells with holes where buttons were cut out, 3 cards of pearl buttons, 2 sample books, and 2 pearl shell buttons (1993.3193).
- Mary Elizabeth Schmidt: 5 sets of papers, 4 sets of photographs, 2 sets of books, and a set of pamphlets, all related to the work of Dorr E. Felt and his development of the Comptometer (1994.3060).
- Patricia E. Schneider: Washington Jobber printing press made by John M. Jones of Palmyra, New York, 1880s (1995.0142).
- Alfred H. Schrader: first numbered bullet using Mr. Schrader's 8-digit number and letter system (1995.0193).
- Raymond A. Schwartz: 2 Stegmann view camera outfits made in Berlin, Germany (1994.0282).
- Catherine D. Scott: pair of woman's white pearlized leather shoes with a pink rosebud and leaf motif embroidered and painted on, worn at the second Eisenhower Presidential Inaugural Ball, January 1957 (1995.0078).
- Charley Scott: Willis polar planimeter #749, made by James L. Robertson & Sons of New York, patented in 1896 (1994.0356).
- Sea Heritage (through Bernard Klay): print of *The Charles W. Morgan at Chubb's Wharf by Moonlight*, by John Stobart (1994.0349).
- David H. Shay: Clinton caricature watch whose hands run counterclockwise, 1994 (1994.0301); "Guide For Civil Defense Action in the Washington Warning Area," published by the U.S. Government Printing Office, 1959 (1995.0060).
- Michael Sherman: Condex 10-key adding machine (1995.0018).
- Roger E. Sherman: Fuji 35mm disposable camera printed with a cigarette advertisement (1995.0175).
- George L. Sherwood: hanging ring for a chandelier patented by William Lawrence of New Haven, Connecticut, on March 23, 1831 (1994.0378).
- Richard B. Siday: trophy won by Richard R. John for the 1963 Fisher Body Craftsman's Contest and a "Body by Fisher" nameplate (1994.0046).
- Simpro Corporation of America (through Arnold S. Cohen): 5 Simpro-X cameras (1995.0039).
- Edward Simpson: wire rope suspender assembly, 1883, removed from the Brooklyn Bridge in the 1980s (1995.0159).
- Government of the Republic of Slovenia, Sestavljeno PTT Podjetje (through Janez Gril): 64 stamps and 2 miniature sheets of Slovenia (1993.2044).
- Henry W. Smit, Jr. and Linda L. Smit in memory of Martha M. Phillips: 18 insecticides and a package of Kotex sanitary napkins (1993.0348).
- SmithKline Beecham, Incorporated (through Douglas B. Cox): 4 objects relating to the first change of packaging for Sucrets throat lozenges in 60 years including a Sucrets Early Retirement kit, invitation to the retirement party with a Sucrets tin in a rocking chair, a tin of the 1930s, and the new plastic package introduced commercially on October 1, 1994 (1994.0233).
- Society for the History of Technology (through James C. Williams): 4.5 cubic feet of archival records of the Treasurer of the society (1995.3010).
- Government of the Solomon Islands, Solomon Islands Philatelic Bureau: 66 stamps and 3 souvenir sheets of the Solomon Islands (1993.2109).
- Government of the Republic of South Africa, South African Post Office Limited, Philatelic Services and Intersapa (through Hennie Diedericks): 50 stamps of South Africa (1993.2068); 59 stamps of South Africa (1993.2132).
- Michael Spodak, M.D.: 41 miscellaneous utensils, equipment, and canned food, collected by Dr. Spodak for use in a family fallout shelter (1994.3131).
- Lawrence R. and Harvey G. Stack: 2 \$20 U.S. quintuple Stella coins of 1879, one in gold and the other in gilt copper, struck as prototypes for an unsuccessful attempt to make a standard equivalent of European coinage (1994.0371).
- Harvey G. Stack: 3 silver halfdollars of 1861 struck at the U.S. Mint in New Orleans, one struck while the mint was under Federal control, the second struck after the mint was seized by the State of Louisiana, and the third struck after the mint came under the

- control of the Confederate States of America (1994.0105).
- Fletcher C. Stewart, Sr., M.D., F. Clark Stewart, Jr., and Grace M. Stewart: 2 uniform jackets, 2 pairs of trousers, a bridge coat, hat, pair of shoes, tie, sword, sword belt with scabbard, and a white lab coat, all worn by Dr. Stewart during his career in the U.S. Public Health Service (1991.0774).
- Jeffrey K. Stine: unopened package of 3 man's handkerchiefs of white lawn with woven bands of satin, 1950s (1995.0129).
- Nancy L. Stipe for the John Stipe Family including Sydnor Stormy Stipe-Lowrey, Skipper G. Stipe Maas, Shirley M. Stipe-Raines, Sabra Bragg Stipe, Sea Stipe, and Shaddock Lowrey Stipe: split white oak basket with pieces of cotton caught in the plaits from its last use in the fields, made ca. 1960 (1993.0281).
- Mary-Alice Stoddard: woman's 4-piece wedding dress of gold-colored velvet with a voided floral pattern, 1880-85 (1994.0275).
- Lois Greene Stone: dress designed and made by Mrs. Stone for her eldest daughter's wedding, 1985 (1994.0158); Eicor reel-to-reel tape recorder, ca. 1949, and a Louis Marx and Company toy train transformer (1994.0340).
- Isabella Larner Stott: woman's white grosgrain satin wedding gown with brown silk lining, worn by Anna Parker Larner on April 8, 1891 (1994.0276).
- Susan B. Strange: girl's alligator leather purse, 1954-57 (1995.0016).
- Lea E. Sullivan: phonograph record labeled "Victor Records of Health Exercises," 1908, and a vibrator (1994.0364).
- Government of Sweden, Sweden Post Stamps (through Sirkha Lehtinen): 112 stamps and 12 first day covers of Sweden (1993.2113).
- Hildegard P. Swick: 7 pieces of paper money from Switzerland, Sweden, and Denmark, 1936-55 (1994.0289).
- Government of the Swiss Confederation, Swiss PTT General Directorate: 52 stamps of Switzerland (1993.2150).
- Mary N. Symington: U.S. Army winter uniform vest worn by Lt. James McKim Symington during WW II (1993.0009).
- Synergistic Designs (through Jennifer C. King): 4 posters and 3 T-shirts about biotechnology (1994.3092).
- Judith Jaidinger Szesko: 3 prints made by the wood engraving process by Ms. Szesko (1994.0336).
- David A. Taylor: folk art coffin with codfish, made by Daniel Murphy of Dunville, Newfoundland, Canada, 1994 (1994.0330).
- Claudette Koodray Tencza: 16 photographs and a videotape cassette (1994.3084).
- Nan Lane Terry: souvenir pillowcase from the 2nd Women's Auxiliary Army Corps Training Center in Daytona Beach, Florida (1993.0015).
- Audrey H. Thomas (through Stephen M. Schneebaum): Oakland Motor Car Company All-American 4-door sedan made in Pontiac, Michigan, in 1929 (1993.0483).
- Donald D. Thornton: Dover rotary-cranked eggbeater, ca. 1891 (1992.3007).
- Marilee Tillstrom: woman's accessories including a powder cake, lipstick, false eyelashes, white shoe powder, and a clear plastic rainhat, 1940-80 (1994.0373); Thread-Master needle threader patented in 1883 (1995.0010).
- Miriam D. Tod: wooden piece of the steering wheel of the U.S.S. *Maine*, 1898 (1994.0183).
- Jane Townes: pair of man's bell-bottom blue denim Levi Strauss jeans and a unisex Woodstock logo T-shirt, 1968-69 (1994.0250).
- Margot Townsend, Inc. (through Richard P. Clark, Jr. and Margot Townsend): 10 pieces of woman's costume jewelry which are reproductions or adaptations from objects in the National Museum of American History's Division of Costume collections, 1988-93 (1993.0465).
- Travenol Labs Incorporated, Fenwal Division (through Roberto Perez): blood warmer and a thermometer (1993.0414).
- Don Troiani: 2 signed lithographs of Civil War subjects by Mr. Troiani (1994.3112).
- Linda B. Tucker: 2 Domino granulated cane sugar sacks (1994.3023).
- James Tuma: 2 booklets and 2 photocopied newspaper clippings about the Rashid family, 1949-79 (1995.3006).
- Government of the Turkish Republic of Northern Cyprus, Directorate of the Department of Posts (through Aysel N. Erduran): 9 stamps, 4 first day covers, and a souvenir sheet of the Turkish Republic of Northern Cyprus (1993.2031).
- Elise W. Tyree: deep blue cotton-rayon caftan and a pair of green plastic earrings, 1970s (1994.0103).
- Fred C. Uhlmann: 13 pieces of costume jewelry, 7 original boxes, 2 lithographs for store advertisements, a display stand, and a card (1994.0211).
- Katherine Uniss-Haddad: Arabic man's vest, sash, and headband (1993.0590).
- Unisys Corporation (through D. R. Curry): 7 UNIVAC I and II computer components, a UNIVAC photograph notebook, and a Remington Rand pamphlet, 1950s (1982.0638).
- U.S. Department of Defense, Department of the Air Force, Air Force Intelligence Support Agency (through Brad Houston): 2 light machine guns, 2 submachine guns, 2 automatic rifles, a semiautomatic rifle, semiautomatic carbine, bolt action rifle, and a rifle (1992.0007); Headquarters Air Force Military Personnel Center (through Victor Arnold-Bik): Taurus pistol with accessories, made in Brazil, ca. 1983 (1994.0326); Yugoslavian cased semiautomatic pistol with accessories, 1986 (1994.0329); Robins Air Force Base, Georgia: leaf assembly shutter (1995.0033); 7th Communications Group (through Lt. Col. Richard H. Hange): Western Electric tactical switchboard position #4 used at the Pentagon from WW II to the early 1990s (1994.0128).
- U.S. Department of Defense, Department of the Army, Corps of Engineers, Canal Park Museum (through C. Patrick Labadie): piece of iron hull from the steamship *Surveyor*, one

- of the first iron ships built in America, 1842 (1995.0042); Headquarters (through Victor Arnold-Bik): Pioneer model Rossi cased pistol, made in Brazil, 1986 (1994.0327); U.S. Total Army Personnel Command (through Victor Arnold-Bik): rifle with case made in the Federal Republic of West Germany, 1988 (1994.0331).
- U.S. Department of Defense, Department of the Navy, Naval Research Laboratory (through C. Woods): spectrograph made by Adam Higler Limited of London, NaCl rock salt prism, and a CaF<sub>2</sub> prism (1995.0048); U.S. Marine Corps, Museums Branch, Marine Corps Combat Development Command (through Jennifer L. Castro): 2 shoulder knots of 2nd lieutenant grade worn by Brig. Gen. Woodrow M. Kessler in 1937, and a leather storage box (1993.0182).
- U.S. Department of Defense, Director of Administration and Management, OSD (through Victor Arnold-Bik): Helwan semiautomatic pistol with accessories, 1988 (1994.0328); silver handgun with accessories and a double action revolver with case, 1994 (1995.0141).
- U.S. Department of Energy, Lawrence Livermore National Laboratory (through Christine Bach): streaking camera, framing camera, capacitor discharge unit, dual air control unit, telescope attachment, and a rotor, all developed to record and analyze thermonuclear tests, 1940s–50s (1992.0609); Superconducting Super Collider Project Office (through Antonio Acuna, Jr. and Edward G. Cumesty): rock bolt used in tunnel construction (1995.0095).
- U.S. Department of Justice, U.S. Marshals Service (through Cary H. Cope-land): 1948 Tucker 4-door sedan, 39th of 51 such automobiles made (1993.0484).
- U.S. Department of State, Office of the Chief of Protocol (through Victor Arnold-Bik): cased double barrel shotgun made in the Union of Soviet Socialist Republics, 1990 (1994.0325).
- U.S. Department of the Treasury, Bureau of the Mint: 855 U.S. and foreign coins and medals, pre-1923 (1992.0121); 491 U.S. and foreign coins and medals received between 1923 and 1957 (1993.0205); U.S. Customs Service, Armament Research and Development Center (through Carol Barr): 19 pistols and revolvers and 10 carbines of U.S. and foreign manufacture, 20th century (1986.0220); U.S. Mint (through Philip N. Diehl): 13 U.S. commemorative coins and a piece of commemorative paper currency, 12 uncirculated coins, 10 proof coins, and a medal commemorating Secretary of the Treasury Lloyd Bentson, 1979–94 (1994.0235); 4 gold and a silver eagle proof coins, 4 coins commemorating veterans and the U.S. Capitol, and a bronze medal commemorating Joe Lewis (1994.0372); Marketing Department (through Christy Bidstrup): obverse and reverse plasters used to cast dies for striking the Thomas Jefferson commemorative silver dollar, 1993 (1994.0319).
- U.S. Legislative Branch, Library of Congress, Exchange and Gift Division, American-British Exchange Section (through Joseph P. Molnar): DeJur Grundig Stenorette B dictating machine with accessories (1992.0343); Manuscript Division (through David C. Mearns): hand seal of the Association of Acting Assistant Surgeons, U.S. Army, 1888 (1994.0004).
- U.S. Resolution Trust Corporation (through Steve McGregor): 2 Spanish silver coins dated 1492 and 1741 (1994.0110); Public Affairs (through Joe B. Taylor): April 9, 1800 issue of *The Spectator* newspaper of New York carrying the story "Franking Privilege to Martha Washington" (1994.0114).
- U.S.S. *Alabama* Battleship Memorial Park (through Charles M. Breland): 7 pieces of U.S. Navy officer's wardrobe china service including 2 bowls, a dish, plate, cup, saucer, and a mug, WW II (1994.0181).
- United States Singer Company (through William D. Enerson): 13 sewing machine accessories, 2 empty accessory boxes, and a cast iron treadle stand (1993.0573).
- Unknown: 2 Revere Camera Company photographic enlargers (1994.0281).
- Muriel I. Urban: military style reversible raincoat and topcoat and a gray wool felt bag, 1943 (1995.0065).
- Chantal and Jan L. Vagassky: 13 silver imitation Roman coins (1994.0107).
- Margaret E. Vaill: 66 molded plastic objects and sets of objects reflecting the career of Edward W. Vaill in early plastic technology (1994.3122); 45 molded plastic objects and sets of objects (1995.3053).
- Government of the Vatican, Ufficio Filatelico - Numismatico: 36 stamps of the Vatican (1993.2143).
- John J. Vicari: 0.33 cubic foot of catalogs and newsletters documenting the partial history of the Midwest Federation of American Syrian-Lebanese Clubs, Inc. (1994.3018).
- Will Vinton Productions (through Todd Norgaard): 44 objects including animation figures, materials used to make figures, advertising papers and videotapes, and promotional goods, all related to California Raisin advertisements using Claymation animated figures (1991.3182).
- Robert Vogel: 5 photographs and a Pathex motion picture projector (1994.0148).
- Barbara H. Walker: woman's clothing including an evening dress, matching shoes, and a shoebag of 1888–1900, and an off-white organdy dress, parasol, parasol cover, and silk slip of 1906–10 (1994.0112).
- Mary Linn Wallace: Jane Addams Peace Dove medallion and its original Japanese lacquered box (1995.0023).
- Warden Leathers, Incorporated (through Warren Dennie): maple wood block used to hand cut leather to make gloves, used at Zimmer Gloves of Gloversville, New York (1994.0268).
- Warner-Lambert Company (through Melvin R. Goodes): 4 bottles of Listerine mouthwash including a corked bottle of 1895–1906, and the last 2 glass bottles produced and the

- first plastic bottle packaged on August 9, 1994 (1995.0013).
- Virginia C. Warren: woman's brown faille and patterned plush dress disassembled into 13 pieces, 1885 (1994.0347).
- Bertha A. and Herbert Waters: wooden block, drawing, overlay, and a final print of the wood engraving *My Studio* by Mr. Waters, 1982 (1995.0122).
- George Watson: man's brown straw hat with a black silk hatband, 1840-90 (1995.0037).
- Merle G. Waugh: Dress Gordon tartan kilt, made by a member of Mr. Waugh's family in 1906, and a Balmoral style cap, possibly of the 1930s (1993.0352).
- Nancy S. Webb: paperback book, *How to Survive an Atomic Bomb*, by Richard Gerstell, 1950 (1994.0287).
- Siham Wehbe: 8 magazines and 4 books in Arabic including the *D.A.R. Manual for Citizenship*, 1920-40 (1994.3109).
- Elizabeth Lucile Lenfers Westby (through Paul deHoll): framed embroidered picture of a dairy farm scene signed and dated by "Lucile L. Westby Apr 1980" (1994.3048).
- Ellen R. Wheeler: woman's dark blue wool jacket, 1885-1910 (1994.0312).
- Roger B. White: American Revolution Bicentennial license plate, 1976 (1994.0047).
- Dr. Ronald S. Wilkinson: Dobsonian-mounted 13.1 inch reflecting telescope made by the Coulter Optical Company, ca. 1982 (1994.0399).
- Edith R. Williams: woman's black and off-white slubbed tweed pantsuit and a photograph of Mrs. Williams' mother wearing the suit, 1924-25 (1995.0113).
- Sule Gregory C. Wilson: 6 publicity buttons, 3 T-shirts, 2 posters, and a brochure, all reflecting African American college and social life (1993.0567); 3 T-shirts and a man's shirt, 1961-89, all with African American slogans or designs (1994.0251).
- The Windsor Historical Society of Windsor, Connecticut, Inc. (through Robert T. Silliman): pair of man's blue and white checked cotton overalls, 1930-45 (1994.0353).
- University of Wisconsin, College of Agricultural and Life Sciences, Department of Bacteriology (through Prof. Ronald D. Hinsdill, Ph.D.): 20 objects from early science laboratories and the study of bacteriology and molecular biology (1995.0191).
- The Wolper Organization (through David Wolper): set of hand shackles used in the television miniseries "Roots," 1977, and a rag doll used in the television miniseries "Queen," 1992 (1993.0170).
- Priscilla Q. Wood: 11 sets of shoulder pads, 1985-90 (1994.0335).
- Woolworth Corporation (through Aubrey C. Lewis and E. J. Swain): 26 objects including a lunch counter with footrest, 4 stools, 3 mirrors, 2 cornice pieces, a soda fountain, milk shake container and glass, napkin holder, pie case, salt shaker, waitress' uniform and notebook, and 8 signs, all from the Greensboro, North Carolina, Woolworth store where 4 students conducted the first sit-in against segregated lunch counters in 1960 (1994.0156).
- Eugene C. Worman, Jr.: lithograph by Mrs. Orra Hitchcock of the "Gorge Between Holyoke and Tom" used in a book about the geology of Massachusetts, 1830s (1994.0362).
- Yamaha Corporation of America (through Terry Lewis): 24-piece custom maple drum set (1994.3072).
- Rose C. Yanney: 2 convention booklets of Federated Syrian, Lebanon Clubs of America, 1947 and 1948 (1994.3108).
- William H. Yeignst: Wham-O slingshot, ca. 1950, Kimball fiberglass bowl, 1950s, and a Tuppercraft plastic box set, 1960s (1995.0109).
- Richard C. Young: 2 Landor Associates T-shirts and a Hills Brothers coffee can printed with an Ansel Adams photograph, 1969 (1993.0542).
- Government of the Republic of Zimbabwe, Posts and Telecommunications Corporation, Philatelic Bureau: 8 "Owls of Zimbabwe" postage stamps, 1993 (1993.2059); 12 "Pottery of Zimbabwe" stamps (1993.2103).
- Barry and Margaret A. Zorthian: Safe-Guard Model Y checkwriter and a vial of Protex ink (1993.0289).

## National Postal Museum

### Donors of Financial Support

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### Donors to the Collection

A collecting moratorium, imposed in 1992 in conjunction with the relocation of the collections from the National Museum of American History to the National Postal Museum, remained in effect for the National Postal Museum during 1995.

### Donors of In-Kind Support

Pitney Bowes Inc. Significant technical support to maintain mailing and addressing kiosks and exhibition development.  
Subaru of America. A 1995 "Outback Legacy" station wagon for the museum's use.  
Avery Dennison. Technical support for an upcoming exhibit.  
Westinghouse. Technical support for an upcoming exhibit.  
Weigh-Tronix. Technical support for an upcoming exhibit.  
Excelsior Publishing. Printing an educational pamphlet.

## *National Museum of the American Indian*

### Donors to the Collection

Anita Alvarez de Williams. Cucapa fishtrap.  
Douglas Coffin. *Grandfather Pole*, sculpture by Douglas Coffin (Potawatomi-Creek) from *This Path We Travel* exhibition.  
Henry Curtis. Painting on sealskin from St. Lawrence Island, Alaska.  
Estate of Patricia C. Dodge. Northwest Coast basket and Chavin-Chimu stirrup pot from Peru.

Eel River Micmac Community. Gesgapegiag Micmac ash splint basket.  
Monica Flaherty. Records of petroglyphs in Puerto Rico.  
Peter B. Greenough. Passamaquoddy club.  
Marian Kaminitz. Achuar comb, Ecuador; Bush Negro comb; palm fiber bag from Maka, Paraguay.  
Tjyraru Karaja. Two Karaja *wetaara* (dance belts).  
Helen Katchmar. Collection of Southwest jewelry and artifacts.  
Barbara Knapp. Pair of Naskapi snowshoes.  
Natalie K. Kutz. Three dolls, made by Bobbie Bear (Ottawa).  
Estate of Joan W. Leidesdorf. Collection of southeast pottery and jewelry.  
Ellen Loewenthal. Four Eskimo-Anaktuvuk Pass masks.  
Robert A. Logan. Assorted Eastern Woodlands materials (six objects).  
Janis M. Maxwell. Plains pipe bag.  
Mid-America Arts Alliance. Assorted Hopi materials (seven objects).  
Peyton S. Moncure. Two blankets, pair of moccasins, and necklace from trading post in Busby, Montana.  
Darlene Raskind. Navajo sandpainting from the Whiteshell Arrow people.  
Mrs. Moreland Griffith Smith. One blackware vessel ("Maria/Popovi") and set of three katsinas by H. Namaquaptewa (Hopi).  
Charles Steiner. *Plenty Coups*, sculpture in bronze.  
Liane Fenelon Waite. Seminole skirt.  
Tony L. Weldon. *Learning How to Fly*, pencil drawing by Tony L. Weldon (Cherokee).

## *National Portrait Gallery*

### Donors of Financial Support

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### Donors to the Collection— Painting and Sculpture

Anonymous gift in memory of the Charles Carroll Simms Family. *William Gilmore Simms*, oil on canvas, by an unidentified artist (NPG.95.020).  
Eleanor Morein Foster. *Jenny Lind*, 1852, oil on canvas, by Francis Bicknell Carpenter (NPG.94.123).  
Mr. and Mrs. C. Joseph Giroir, Jr. *William Jefferson Clinton*, 1994, bronze bust, by Jan Woods (NPG.94.126).  
IBM Corporation. *Thomas J. Watson, Sr.*, 1956–57, oil on canvas, by Albert K. Murray (NPG.94.125).



Everett Raymond Kinstler. *Charles Adams*, 1975, oil on canvas, by Everett Raymond Kinstler (T/NPG.94.124.98).

Estate of Herbert Leldon Kirk. *Col. Lewis Morris*, ca. 1800, watercolor on ivory, by an unidentified artist (S/NPG.95.115); and *Anne Elliott Morris*, ca. 1800, watercolor on ivory, by an unidentified artist (S/NPG.95.116).

The Beneficiaries of the Andrew Longacre Estate. Coins and medals designed by James Barton Longacre (AD/NPG.95.1.1 - 10).

Jonathan Prude. *Agnes de Mille*, oil on fiberboard, by Elizabeth Montgomery (T/NPG.95.118.03); and *Martha Graham*, oil on fiberboard, by Elizabeth Montgomery (T/NPG.95.019.01).

Robert Gordon Stewart. Suit of clothing worn by Stewart in his 1969 portrait by Alice Neel (AD/NPG.94.2).

Joan Lieber Sweeney. *Frederick W. MacMonnies*, 1922, oil on canvas, by James Montgomery Flagg (NPG.94.86).

Harold Tovish. *e. e. cummings*, 1994 cast of 1962 original, death mask, made by Harold Tovish (NPG.95.7).

Billy Dee Williams. *Self-Portrait with Gardenia*, 1993, acrylic on canvas (S/NPG.94.92).

## Donors to the Collection— Prints and Drawings

Alfred and Elizabeth Bendiner Foundation. 5 caricature drawings, ink on paper, *Alfred Lunt and Lynn Fontanne*, 1943, *Ethel Merman and Burt Labr*, 1939, *Van Cliburn*, c. 1955, *Alfred and Elizabeth Bendiner*, c. 1950, *Helen Hayes*, 1943, by Alfred Bendiner (NPG.95.63-67).

Heywood Hale Broun. *Heywood Campbell Broun*, c. 1935, pencil on paper, by Joseph Hirsch (NPG.94.111).

Lydia Freeman. 7 drawings on paper, *Boris Aronson*, *Joe E. Brown*, *William Glackens*, *Henry Kaiser*, *Buster Keaton*, two drawings of *Arnold Schoenberg*, by Don Freeman (NPG.95.135-141).

Everett Raymond Kinstler. *Joan Fontaine*, 1993, charcoal on paper, by Everett Raymond Kinstler

(S/NPG.94.112). *Al Hirschfeld*, 1993, charcoal on paper, by Everett Raymond Kinstler (T/NPG.94.113.). *Robert Motherwell*, 1985, pencil on paper, by Everett Raymond Kinstler (T/NPG.94.114.01).

Ruth Munson. *Nolan Ryan*, 1993, watercolor on paper, by Ruth Munson (T/NPG.95.044.).

Bernard Perlin. *Erick Hawkins*, 1942, silverpoint on paper, by Bernard Perlin (NPG.95.028). *Patrick Hurley*, 19443-1944, pencil on paper, by Bernard Perlin (S/NPG.95.031). *Vincent Price*, 1942, silverpoint on paper, by Bernard Perlin (NPG.95.029). *Glenway Wescott*, 1946, silverpoint on paper, by Bernard Perlin (NPG.95.030).

Milton Rose. *Nathaniel Lyon*, c. 1861, lithograph, by T. Sinclair (NPG.95.71). *Stephen Grover Cleveland and Thomas Andrews Hendricks*, 1884, engraving, by James R. Rice (NPG.95.72).

Edward Sorel. *The Warner Mob*, 1983, color halftone poster, by Edward Sorel (S/NPG.95.003). *Thinking Tuna Fish, Talking Death*, 1988, color halftone poster, by Edward Sorel (S/NPG.95.002).

Erwin P. Vollmer. *Aline Fruhauf*, 1928, pencil on paper, by Alexander Calder (NPG.95.32).

## Donors to the Collection— Photographs

Herbert H. Coburn. *Judith Anderson*, 1937, gelatin silver print by Carl Van Vechten (S/NPG.95.10).

William Coupon. *George Herbert Walker Bush*, 1991, Iris print on watercolor paper by William Coupon (NPG.95.21).

Edward Brooks DeCelle. *Lawrence Ferlinghetti*, 1974, gelatin silver print by Crawford W. Barton (T/NPG.94.100.).

Keith de Lellis. *Cecil B. DeMille*, c. 1930, gelatin silver print by George Hurrell (S/NPG.95.118); *Mae West*, 1935, gelatin silver print by C. Kenneth Lobben (S/NPG.95.119).

Elsa Dorfman. *Allen Ginsberg and Peter Orlovsky*, 1983, Polaroid Polacolor print by Elsa Dorfman (T/NPG.95.17).

Eastman Kodak Company. *Summit of the Americas*, 1995, chromogenic print by Eduardo Galliani (NPG.95.77).

Louis and Jude Patch Guglielmino. *Gerónimo*, c. 1886, albumen silver print by C.S. Fly (NPG.95.117).

Claire Kaland. 19 lantern slides of Civil War scenes, various dates, by Mathew Brady Studio (S/NPG.95.121; AD/NPG.95.2.1-18).

Danny Lyon and the Jan Kesner Gallery. *John Lewis*, 1962, gelatin silver print by Danny Lyon (T/NPG.95.16).

Rollie McKenna. *James Merrill*, 1995 from 1969 negative, gelatin silver print by Rollie McKenna (T/NPG.95.74.05); *Sylvia Plath*, 1995 from 1959 negative, gelatin silver print by Rollie McKenna (NPG.95.75); *Anne Sexton*, 1995 from 1961 negative, gelatin silver print by Rollie McKenna (NPG.95.76).

Estate of Hans Namuth. 52 gelatin silver portrait prints, various dates by Hans Namuth (NPG.95.)

Maurice Roth. *Mabel Mercer*, 1978, chromogenic print by James D. Wilson (S/NPG.95.73).

Mrs. Albert B. Sabin. *Albert B. Sabin*, 1982, gelatin silver print by unidentified photographer (T/NPG.95.79.03).

William and Drew Schaeffer. *Alfred E. Smith*, c. 1925, photographic montage by unidentified photographer (NPG.94.101).

Ruth and Richard Shack. 2 gelatin silver prints of *Jane Alexander*, 1992, by Timothy Greenfield-Sanders (S/NPG.94.279-80); *Hillary Rodham Clinton*, 1994, gelatin silver print by Timothy Greenfield-Sanders (S/NPG.94.281).

Frances O. Tames. 99 gelatin silver portrait prints, various dates, by George Tames (NPG.94.144-242).

Diana Walker. *William Jefferson ("Bill") Clinton*, 1993, chromogenic print by Diana Walker (NPG.95.107); *George Herbert Walker Bush*, 1990, chromogenic print by Diana Walker (NPG.95.108); *Ronald Wilson Reagan*,

1986, chromogenic print by Diana Walker (NPG.95.109); *Ronald Reagan and Mikhail Gorbachev*. 1987, chromogenic print by Diana Walker (S/NPG.95.110); *William Jefferson ("Bill") Clinton and Albert Gore*, 1994, chromogenic print by Diana Walker (S/NPG.95.111); *William Jefferson ("Bill") Clinton*, 1994, chromogenic print by Diana Walker (S/NPG.95.112); *George Herbert Walker Bush and Barbara Bush*, 1988, chromogenic print by Diana Walker (S/NPG.95.113); *William Jefferson "Bill" Clinton*, 1994, chromogenic print by Diana Walker (S/NPG.95.114).

Sandra Weiner. *Dan Weiner*, c. 1949, gelatin silver print by Sandra Weiner (NPG.94.99); *Ed Zern*, 1985, gelatin silver print by Sandra Weiner (T/NPG.94.98.04).

Donald Windham. *Donald Windham and Sandy Campbell*, 1955, gelatin silver print by Carl Van Vechten (S/NPG.95.78); 15 gelatin silver portrait prints, various dates, by George Platt Lynes (S/NPG.94.264-78).

## Library

Herbert Waide Hemphill. Thirty-nine (39) boxes of folk art books, exhibition catalogs and vertical file items.

Archives of American Art. Four (4) boxes of art magazines and newsletters and three (3) boxes of small press publications.

Merry Foresta. Five (5) boxes of biographical information, exhibition announcements and small catalogs.

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Normandy Carpet Care Co. Cleaning of gallery space carpeting in support of the exhibition "In Pursuit of the Butterfly: Portraits of James McNeil Whistler."

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Cape Verde Delegation. Clay figure of woman with mortar and pestle; clay figure of woman grinding corn with stone; clay figure of man playing a drum for *cola* procession; and clay figure of man playing *ourim* game, all made by Tiro from Mindelo, San Vicente, Cape Verde.

Cape Verde Delegation. Woven *pano* (body cloth), a round stone corn grinder, and a clay cuscus pot with steamer.  
Center for Popular Music, Murfreesboro, Tennessee. 200 LPs donated to the archives.  
Czech Republic participants. Three small painted eggs, one large painted egg, and two corn husk dolls, one of a woman carrying firewood.  
Flying Fish. Recordings donated to the archives.  
Rebel/County Records. Recordings donated to the archives.  
Russian participant. Recording, *The Nekrasov Cossacks: Russian and Turkish Songs and Tunes*.  
Shanachie. Recordings donated to the archives.

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Faxland Corporation. Loan of two fax machines for administrative use at the Festival of American Folklife.  
Fischer's Hardware. Office supplies for the Festival of American Folklife.  
Frito-Lay, Inc. Twelve cases of chips for the Festival of American Folklife.  
Herr's Food, Inc. Several cases of potato chips for participant hospitality at the Festival of American Folklife.  
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KMart. A \$25 gift certificate for merchandise for the Festival of American Folklife.  
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Little Caesar's Pizza. Several large pizzas for the technical crew working on the Festival of American Folklife.  
Melitta North America, Inc. Ground coffee for participant hospitality at the Festival of American Folklife.  
Ocean Spray Cranberries, Inc. Donation of 8,000 single-portion cartons of juice for participant hospitality at the Festival of American Folklife.  
Pepperidge Farm. Cookies for participant hospitality at the Festival of American Folklife.  
Recording Industries Music Performance Trust Funds. Honoraria for the musicians from the United States at the Festival of American Folklife.  
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Snyders of Hanover. Several cases of potato chips for participant hospitality at the Festival of American Folklife.  
The Sugar Association, Inc. 400 pounds of sugar for participant hospitality and foodways demonstrations at the Festival of American Folklife.  
USDA Subtropical Horticultural Research Station. Approximately 900 stalks of sugar cane for use in demonstrating a sugar mill from Cape Verde at the Festival of American Folklife.  
Wilkins Coffee. Ground coffee for participant hospitality at the Festival of American Folklife.  
William B. Riley Coffee Company. Twenty-four pounds of coffee for participant hospitality at the Festival of American Folklife.

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		Mrs. J. E. Waites	
		Mr. Edward B. Waldmann	

Mr. Charles E. Wells	Mr. & Mrs. Leonard A. Wien	Mr. Peter Wilson	Mr. Wallace C. Wu
Mr. & Mrs. Terry Welsh	Mrs. Muriel S. Wiessner	Dr. & Mrs. Richard B. Wilson	Dr. Christopher Wuerker
Mrs. D. C. Welton	Dr. & Mrs. Herman S. Wigodsky	Mr. Stephen Wilson	Mrs. Bernard J. Wulff
Mr. P. A. Wentz	Dr. & Mrs. U. V. Wilcox, II	Mr. Wallace H. Wilson	Mr. Robert Wulff
Mr. Henry Wentzien	Mr. & Mrs. Edwin N. Wilkins	Dr. Carl D. Winberg	Mr. Charles E. Wylie
Mr. Fred H. Werner	Mr. & Mrs. J. Burke Wilkinson	Mr. Philip H. Winter	Mr. Charles Yarbrough
Mr. Gerald L. Werner	Dr. & Mrs. Robert S. Wilkinson, Jr.	Mr. James D. Wirt	Mrs. Orval Yarger
Mr. Stuart L. Werner	Mr. & Mrs. Andrew W. Williams	Mr. Robert Wissoker	Mr. M.H. Yendrejczyk
Kenneth F. Wesolik	Mr. Jack B. Williams	Dr. Raymond R. Wittekind	Mr. John Yeomans
Captain J. H. Wesson, U.S.N.	Mr. & Mrs. John M. Williams	Mr. & Mrs. William W. Wittie	Ms. Rhinee Yeung
Mr. & Mrs. James T. West	Ms. Kathleen R. Williams	Mr. David L. Wittle	Miss Jane B. Young
Mrs. Sharon Westafer	Mrs. Wanda Rees Williams	Ms. Linda Wohl	Mr. & Mrs. Daniel K. Young, Jr.
Mr. R. R. Westberg	Mr. Kenneth R. Williamson	Mr. Leland A. Wolf	Ms. Marguerite G. Young
Mrs. Harriet K. Westcott	Mr. R. H. Williamson	Mrs. Harry B. Wolfe	Mrs. Patricia B. Young
Ms. Betty S. Westfall	Dr. & Mrs. William N. Williford	Mr. J. Wolfgang, Jr.	Mr. Robert L. Young
Mrs. John Wettroth	Mr. & Mrs. Vernon B. Willis	Mr. & Mrs. Marvin Womack	Mrs. W. Young
Miss Hilda Wexler	Mr. & Mrs. W. Cooper Willits	Mr. Gary S. Wong	Ms. Jean R. Yoursey
Ms. Virginia Weyres	Ms. Katheryne Willock	Dr. & Mrs. Thomas P. Wood	Mr. & Mrs. William A. Zachary, Jr.
Mr. Grant D. Whipple	Mr. George C. Willson	Ms. L. Wooden	Mary Zaemes
Mr. Howard Whitaker, Jr.	Ms. Louise W. Willson	Mrs. W. Woodmansee	Ms. Shereen Zakauddin
Mr. David R. White Jr.	Captain Lucille A. Wilson (Ret)	Mr. R. H. Woodrow, Jr.	Mr. Rudy Zalesak
Mr. & Mrs. Donald W. White	Mr. Hugh H. Wilson	Mr. Marshall D. Woods	Dr. Jay Zatzkin
Mr. John K. White	Mr. F. A. Wilson, Jr.	Mrs. Louise Woodson	Mr. David R. Zauner
Ms. Karen K. White	Mr. Lowell Wilson	Mr. H. Woodward	Dr. Berton Zbar
Leslie M. White	Mr. Paul Robert Wilson	Mrs. W.T. Wooley	Mrs. Robert Zeppa
Mr. W. C. White		Mr. & Mrs. Mark S. Woolley	Mr. Lee B. Zeugin
Ms. Jaan Whitehead		Mr. Cyrus G. Wright	Mr. & Mrs. Edwin Zimmerman
Mrs. Mary Tyler Whitney		Mr. David M. Wright	Dr. Richard L. Zizza
Ms. Ruth E. Whitt		Mrs. Harriet A. Wright	Dr. & Mrs. M. J. Zukel
Mrs. Bradford A. Whittemore		Dr. Martha Wright	Mr. & Mrs. C. Lee Zwally
Mr. Bret G. Wien		Miss Nancy Wright	
		Dr. Reverdy E. Wright	

# FINANCIAL REPORT

NANCY D. SUTTENFIELD,  
CHIEF FINANCIAL OFFICER

## Introduction

The Smithsonian Institution receives funding from both federal appropriations and nonappropriated trust sources. Nonappropriated trust funds include all funds received from sources other than direct federal appropriations. These other sources include gifts and grants from individuals, corporations, and foundations; grants and contracts from federal, state, or local government agencies; earnings from short- and long-term investments; receipts from membership programs; and receipts from sales activities, such as *Smithsonian* magazine, museum shops, mail order catalogues, and food service concessions.

Federal appropriations provide funding for the Institution's core functions: caring for and conserving the national collections, sustaining basic research on the collections and in selected areas of traditional and unique strength, and educating the public about the collections and research findings through exhibitions and other public programs. Federal appropriations also fund a majority of the activities associated with maintaining and securing the facilities and with various administrative and support services.

Smithsonian trust funds allow the Institution to undertake new ventures and enrich existing programs in ways that would not otherwise be possible. These funds provide the critical margin of excellence for innovative research, building and strengthening the national collections, constructing and presenting effective and up-to-date exhibitions, and reaching out to new and under-represented audiences. In recent years, the Smithsonian has also begun to rely on trust funds for a portion of the funding for major new construction projects.

The following sections describe the external environmental factors affecting the Institution's general financial condition, the Institution's financial status, and its planned response to changing conditions; financial results for fiscal year 1995; and measures, both organizational and financial, being taken to ensure the continued fiscal health of the Institution.

*Scientist Roberto Ibanez studies a frog at the Smithsonian Tropical Research Institute in Panama in a project to determine the causes for a decline in the amphibian population. (Photograph by Marcos Guerra).*



## Financial Situation and Prospects

The Smithsonian celebrates its 150th anniversary in 1996. It will be an exciting year marked by the spectacular traveling exhibition, *America's Smithsonian*, as well as many other grand events. These events will be funded almost exclusively by private contributions and funds generated from business activities related to the events. Funding for these celebratory events exemplifies the paradigm shift facing the Smithsonian and many education and cultural organizations—less reliance on government and more reliance on the private sector.

The transition to this new paradigm will be challenging for the Smithsonian as it will be for many public institutions. Fortunately, the Smithsonian enters the new year with a strong balance sheet and excellent prospects for the future. The Smithsonian occupies a special place in the hearts and minds of Americans and receives generous support from its many constituencies. Congressional and private support continues to be strong. Through many years of prudent financial management, the Smithsonian has built a sizeable and growing endowment and adequate reserves. Moreover, the Smithsonian has taken decisive action to address prospective funding shortfalls over the last few years. Immediate steps have been taken in recent budgets both to cut cost and enhance revenues.

More fundamentally, the Institution has recognized the need to restructure—both programmatically and organizationally—to meet the challenges of the future. To better inform the restructuring process, the Smithsonian Board of Regents established the Commission on the Future of the Smithsonian Institution in September 1993. This Commission was asked to conduct “an examination of the Smithsonian, its mandate and its roles, and an examination of the cultural, societal, and technological factors that influence its capacity to act.” The Commission delivered its report to the Board of Regents in May 1995. The report describes the Commission’s vision of the future of the Smithsonian and makes specific recommendations for making that vision a reality. The Regents formed a committee to consider the recommendations and to work with the Secretary in his strategic planning process.

Last summer, the Secretary formed a Strategic Planning Group of senior management staff to analyze, at a detailed level, potential restructuring, consistent with the mission, vision, and priorities of the Institution, that will assure fiscal stability. Several restructurings have already taken place. The Office of Plant Services, Design and Construction, and Architectural History and Historic Preservation were consolidated into the new Office of Physical Plant. This consolidation brings together three interdependent organizations for more efficient management of the Institution’s facilities.

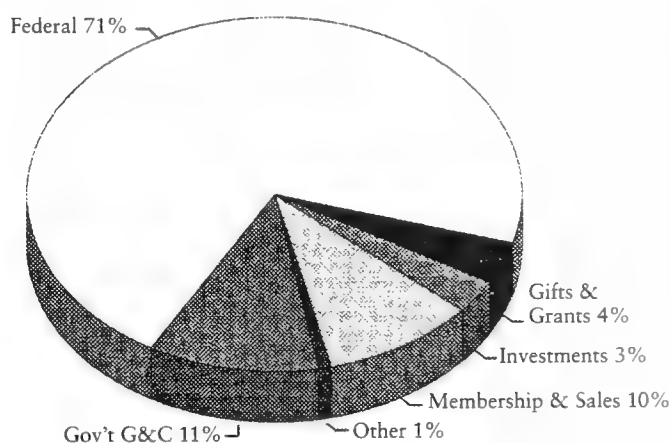
The Smithsonian continues to take a close look at the effectiveness of its revenue-producing and fund-raising activities. Senior management currently is addressing several years of declining revenues at Smithsonian magazine and examining a major loss at the Smithsonian Institution Press this past fiscal year. On the fund-raising side, the Institution plans to rely on the promotion of its 150th anniversary celebration activities in

forming new and expanded relationships with individuals, corporations, and foundations.

The deterioration of the Institution’s facilities continues to be a major concern. The current rate of facilities deterioration and obsolescence will, if not fully addressed, place the collections, ongoing activities, and public accessibility at risk. Smithsonian facilities total more than 5.5 million square feet of space and range in age from new to more than 140 years old. Funding for maintenance, repair, and renovations has not kept pace with the deterioration of the buildings. Best estimates indicate that at least \$50.0 million annually is needed to fully meet the requirements for systematic facilities renewal and maintenance to offset normal wear and tear. While funding in fiscal year 1995 was only \$24.0 million, prospects for a significant increase in fiscal year 1996 are strong. Congress has been very helpful in working with the Smithsonian to meet this challenge. It is hoped that increased appropriations in future years will be at a level that will arrest the rate of decline of those buildings in greatest need.

The Smithsonian faces significant challenges, but it has prepared itself to meet them by emphasizing strategic planning, focusing on a future vision, and by setting resource allocation priorities that are tied to its mission and its core functions.

FY 1995 Sources of Net Operating Funds



## Fiscal Year 1995 Results

Revenues received by the Institution in fiscal year 1995 from all sources totaled \$708.1 million. Federal appropriations accounted for \$358.0 million, and nonappropriated trust funds provided an additional \$350.1 million. When adjusted to remove auxiliary activity expenses of \$185.8 million, net revenues for operations, construction, and additions to endowment totaled \$522.3 million, a 5.7% increase from fiscal year 1994. The following chart reflects revenues by source and broad purpose of use.

*Fiscal Year 1995 Sources of Gross/Net Revenues*

	Gross Revenues (\$millions)	Net* Revenues (\$millions)	Percent Net Operating Revenues (%)
<i>Operations</i>			
Federal Appropriations	313.3	313.3	71
Nonappropriated Trust Funds			
Unrestricted	226.8	41.0	10
Restricted			
Gov't Grants and Contracts	50.3	50.3	11
General Restricted	<u>36.7</u>	<u>36.7</u>	<u>8</u>
Total Sources for Operations	627.1	441.3	100
<i>Construction</i>			
Federal Appropriations	44.7	44.7	
Nonappropriated Trust Funds	7.0	7.0	
Total Sources for Construction	51.7	51.7	
<i>Endowment and Similar Funds</i>	29.3	29.3	
Total Revenues from All Sources	708.1	522.3	

\* Net of expenses related to revenue-generating activities, e.g., museum shops, restaurants, publications, etc.

**OPERATIONS (TABLES 1 AND 2)**

Federal appropriations of \$313.3 million provided the core funding for ongoing programs of the Institution. An increase of \$10.9 million from the fiscal year 1994 level funded the continued development of the National Museum of the American Indian, the Smithsonian Astrophysical Observatory's Submillimeter Telescope Array, the move of collections to the Museum Support Center, expanded Latino programming, and partial support for inflationary increases in salaries and benefits. Unfunded but mandatory inflationary costs for salaries and benefits, rent and utilities were absorbed within baseline resources through cost savings gained from restructuring of programs and activities.

Unrestricted trust fund income showed an increase of \$4.9 million from last fiscal year. Several business activities, such as *Smithsonian* magazine, restaurant concessions and museum shops, along with investment income, showed healthy increases. However, these increases were more than offset by the \$4.5 million loss by the Smithsonian Institution Press. This unprecedented loss led the Institution to begin to reevaluate this activity completely.

Restricted income from investments, gifts and non-government grants and contracts totaled \$36.7 million, a level that sustains and modestly improves upon the large, 38% growth last fiscal year. The Institution continues to intensify its fund-raising activities and focus on new strategies. Last fiscal year was the most successful year ever in raising funds for a wide range of educational, exhibition, research, and related construction programs throughout the Institution. Major gifts and grants received in fiscal year 1995 helped to support the National Postal Museum, the exhibition "How Things Fly" at the National Air

and Space Museum, and the establishment of the Jerome and Dorothy Lemelson Center for the Study of Invention and Innovation at the National Museum of American History. The Smithsonian is especially grateful to its many friends in the private sector whose generosity contributed vitally to its work. The names of major donors are listed in the Benefactors section of this publication.

In fiscal year 1995, the Institution received \$50.3 million in contracts and grants from government agencies, an increase of \$4.6 million over fiscal year 1994. Support from government agencies constitutes an important source of research monies for the Institution while also benefiting the granting agencies by providing access to Smithsonian expertise and resources. As in prior years, the majority of these funds were provided by the National Aeronautics and Space Administration for research programs at the Smithsonian Astrophysical Observatory. Other projects funded included a study at the Smithsonian Environmental Research Center of the rising concentration of carbon dioxide in the atmosphere and support for sorting biological specimens from the polar regions at the National Museum of Natural History.

**ENDOWMENT (TABLES 3, 4, AND 5)**

The Institution pools its endowment funds for investment purposes into a consolidated portfolio, with each endowment purchasing shares in a manner similar to shares purchased by an investor in a mutual fund.

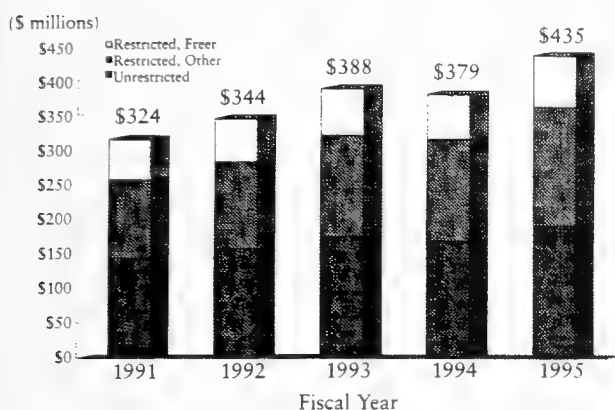
The Investment Policy Committee of the Smithsonian's Board of Regents establishes investment policy and recommends the annual payout for the consolidated endowment. The Smithsonian's policies for managing the endowment are designed to achieve two objectives: 1) to provide a stable, growing stream of payouts for current expenditures and 2) to protect the value of the endowment against inflation and maintain its purchasing power. Current policy calls for an average payout of 4.5 percent of the average market value over the prior five years. With this payout policy, to achieve the endowment's objectives, the investment policy targets a real rate of return of 5 percent.

In fiscal year 1994, the Investment Policy Committee approved a new asset allocation policy with higher exposure to equities to increase expected return, while controlling risk through modest international diversification. During fiscal year 1995, the Committee implemented this policy. The investment managers were given global mandates, and new specialist investment managers were hired for domestic and international equities.

As depicted in the chart below, the market value of the endowment increased from \$379.0 million to \$434.6 million during fiscal year 1995. Of the \$434.6 million, \$189.6 million, or 44 percent, was unrestricted, and the balance of \$245.0 million was restricted. New gifts and internal transfers totaling \$3.4 million were added to the endowment while the payout was \$14.8 million. Investment management fees were \$1.2 million. The total return on the consolidated portfolio was 18.3 percent. At year end, the Institution's portfolio was invested 76 percent in equities, 21 percent in bonds, and 3 percent in cash equivalents.



## Market Value of Endowment and Similar Funds (in \$ millions)



## CONSTRUCTION AND PLANT FUNDS (TABLE 6)

In fiscal year 1995, the Smithsonian received federal appropriations for construction netting \$44.7 million after a rescission affecting both fiscal year 1995 and balances from prior years. Net funds provided in fiscal year 1995 included \$24 million for general repair, restoration, and code compliance projects throughout the Institution. Although the repair amount is a substantial sum, it is less than half the estimated \$50.0 million per year required to keep up with the rate of deterioration in the physical plant. Net funds earmarked for new construction, alterations, and modifications totaled \$20.8 million. Included in this amount is \$19.5 million to continue development of a collections, study, reference, and support facility in Suitland, Maryland, and the Mall facility for the National Museum of the American Indian; \$3.0 million for renovations, repairs, and master plan projects at the National Zoological Park, including construction of the African Grasslands exhibit; and \$2.4 million in rescissions related to prior years.

Additions and transfers to nonappropriated trust construction funds, termed plant funds, totaled \$10.2 million. Approximately \$5.4 million was for construction of facilities for the National Museum of the American Indian, \$1.6 million was for renovation of the Cooper-Hewitt, National Design Museum, and \$2.2 million was for reinstallation of the Gem Hall at the National Museum of Natural History.

## Financial Condition

The Smithsonian Institution's Statement of Financial Condition represents the total assets, liabilities, and fund balances of the Institution. Total assets of \$1.2 billion far exceed total liabilities of \$187.0 million and are indicative of the financial strength of the Institution. In fact, only \$3.4 million of the \$187.0 million in liabilities represents long-term debt. The Smithsonian Institution's assets increased by \$96.0 million since the end of fiscal year 1994, while liabilities increased by just \$37.0 million for the same period.

## Financial Management

The Institution's overall effectiveness in utilizing its newly implemented purchasing and payables system accelerated during fiscal year 1995. It began to use newly available data from the system, such as transaction status, purchase volume by type of product, individual staff output, etc., to generate efficiencies in procurement and document processing. Significant progress was also made on the second phase of a new accounting system that includes replacement of the Institution's general ledger, financial reporting, and management information system. A new coding structure has been developed that will provide new opportunities to report on and analyze programmatic activities and to increase the utility of financial reports for management decision-making.

Other financial management improvement initiatives undertaken in 1995 include:

- Finance units routinely make use of internal and external customer feedback, strategic and operational planning, performance measurement, and process reengineering to continually improve.
- New approaches have been developed to increase procurements from minority and small business contractors.
- Teams developed the policies and procedures necessary to implement new not-for-profit accounting standards for contributions (SFAS No. 116) and financial statement presentation (SFAS No. 117) effective in 1996.
- Procurement efficiencies and improved customer service were achieved through limited use of electronic data interchange strategies and expanded delegations of authority while maintaining effective internal controls.
- New systems, processes, and procedures were developed so that the Institution could shift to Office of Management and Budget Circular A-122, Cost Principles for Nonprofit Organizations, which covers federal grants and contracts received by the Institution. Previously, the Smithsonian followed cost principles for educational institutions.
- Work began on an initiative that will automate the planning and budget formulation process.

## Audit Activities

The Institution's financial statements are audited annually by KPMG Peat Marwick, an independent public accounting firm. The audit plan includes an in-depth review of the Institution's internal control structure. KPMG Peat Marwick's Independent Auditors' Report for fiscal year 1995 and the accompanying financial statements are presented on the following pages. The Smithsonian's internal audit staff, part of the Office of Inspector General, assists the external auditors and regularly audits the Institution's various programs, activities, and internal control systems. The Audit and Review Committee of the Board of Regents provides an additional level of financial oversight and review.

In accordance with the government requirement for the use of coordinated audit teams, the Defense Contract Audit Agency, the Smithsonian Office of Inspector General, and KPMG Peat Marwick coordinate the audit of grants and contracts received from federal agencies.

Table 1. Source and Application of Operating Funds for the Year Ended September 30, 1995 (in \$000s)

	Nonappropriated Trust Funds					Total	
	Federal Funds	Unrestricted	Restricted		Total Non-Appropriated Trust Funds	Federal Funds and Nonappropriated Trust Funds	
			General	Government Grants and Contracts		FY 1995	FY 1994
<b>FUND BALANCES: Beginning of Year</b> . . . . .	\$35,624	\$39,396	\$24,576		\$ 63,972	\$99,596	\$101,166
<b>FUNDS PROVIDED:</b>							
Federal Appropriations (see Note 1) . . . . .	313,254					313,254	302,349
Investment Income . . . . .		10,756	9,915		20,671	20,671	18,268
Government Grants and Contracts . . . . .				50,353	50,353	50,353	45,701
Gifts & Non-Government Grants . . . . .		9,859	23,340		33,199	33,199	32,175
Sales and Membership Revenue . . . . .		193,808			193,808	193,808	197,233
Other . . . . .		12,398	3,428		15,826	15,826	8,844
<b>TOTAL FUNDS PROVIDED</b> . . . . .	313,254	226,821	36,683	50,353	313,857	627,111	604,570
<b>TOTAL FUNDS AVAILABLE</b> . . . . .	348,878	266,217	61,259	50,353	377,829	726,707	705,736
<b>FUNDS APPLIED:</b>							
<i>Sciences:</i>							
Assistant Secretary . . . . .	1,168	507	76	18	601	1,769	1,644
Office of Fellowships and Grants . . . . .	179	1,612	334		1,946	2,125	1,713
Astrophysical Observatory . . . . .	13,878	8,739	452	44,684	53,875	67,753	62,077
Less Overhead Recovery . . . . .		(7,672)			(7,672)	(7,672)	(6,879)
Tropical Research Institute . . . . .	7,776	1,598	1,107	311	3,016	10,792	10,715
Environment Research Center . . . . .	2,564	236	45	1,142	1,423	3,987	3,591
National Zoological Park . . . . .	17,604	1,362	3,128	748	5,238	22,842	21,168
Smithsonian Archives . . . . .	1,202	105	39		144	1,346	1,225
Smithsonian Libraries . . . . .	5,920	775	134	4	913	6,833	6,937
International Environmental Science Program . . . . .	764					764	671
Major Scientific Instrumentation . . . . .	9,288					9,288	7,796
National Museum of Natural History . . . . .	35,635	2,960	4,708	2,050	9,718	45,353	44,512
Conservation Analytical Laboratory . . . . .	2,950	160		44	204	3,154	2,803
Museum Support Center . . . . .	3,660	1			1	3,661	3,173
International Relations . . . . .	551	408	2	227	637	1,188	1,189
<b>Total Sciences</b> . . . . .	103,139	10,791	10,025	49,228	70,044	173,183	162,335
<i>Arts and Humanities:</i>							
Assistant Secretary . . . . .	971	600	24	1	625	1,596	2,644
Office of Museum Programs . . . . .	914	119	16		135	1,049	962
National Air and Space Museum . . . . .	11,755	9,254	959	853	11,066	22,821	19,750
National Museum of American History . . . . .	17,265	1,911	1,842	123	3,876	21,141	24,654
National Postal Museum . . . . .	461	133	2,768		2,901	3,362	3,368
National Museum of the American Indian . . . . .	12,504	336	325		661	13,165	12,909
National Museum of American Art . . . . .	6,837	2,250	1,812		4,062	10,899	9,330
National Portrait Gallery . . . . .	5,532	419	97		516	6,048	5,441
Hirshhorn Museum and Sculpture Garden . . . . .	4,146	797	1,313		2,110	6,256	8,255
Freer Gallery of Art . . . . .	2,281	259	3,496		3,755	6,036	5,501
Arthur M. Sackler Gallery . . . . .	3,149	237	1,801		2,038	5,187	4,722
Archives of American Art . . . . .	1,486	48	744		792	2,278	2,168
Cooper-Hewitt, National Design Museum . . . . .	2,398	2,163	600	49	2,812	5,210	5,603
National Museum of African Art . . . . .	3,861	167	(23)		144	4,005	3,900
National African American Museum . . . . .	449	293	100		393	842	
Anacostia Museum . . . . .	1,049	309	14		323	1,372	1,612
Office of Exhibits Central . . . . .	1,989	49			49	2,038	2,660
Traveling Exhibition Service . . . . .	2,302	1,696	1,755	22	3,473	5,775	4,806
<b>Total Art and Humanities</b> . . . . .	79,349	21,040	17,643	1,048	39,731	119,080	118,285
<i>Education and Public Service:</i>							
Assistant Secretary . . . . .	417	488	6		494	911	940
Center for Folklife Programs and Cultural Studies . . . . .	1,258	2,110	505		2,615	3,873	3,112
Office of Elementary and Secondary Education . . . . .	503	348	211	70	629	1,132	1,051
National Science Resources Center . . . . .	161	234			234	395	451
<b>Total Education and Public Service</b> . . . . .	2,339	3,180	722	70	3,972	6,311	5,554

Table 1. Source and Application of Operating Funds for the Year Ended September 30, 1995 (in \$000s) (continued)

	Nonappropriated Trust Funds					Total	
	Federal Funds	Unrestricted	Restricted		Total Non-Appropriated Trust Funds	Federal Funds and Nonappropriated Trust Funds	
			General	Government Grants and Contracts		FY 1995	FY 1994
<b>External Affairs:</b>							
Office of Telecommunications .....	305	739	150		889	1,194	1,146
Visitor Information and Associates' Reception Center .....	269	1,330	2		1,332	1,601	1,499
Office of Special Events and Conference Services .....		194			194	194	253
Smithsonian Institution Press .....	1,270	22,753	83		22,836	24,106	23,626
Magazines .....		62,576			62,576	62,576	63,119
The Smithsonian Associates .....		32,728	25		32,753	32,753	34,744
Media Activities .....							10
<b>Total External Affairs .....</b>	<b>1,844</b>	<b>120,320</b>	<b>260</b>		<b>120,580</b>	<b>122,424</b>	<b>124,397</b>
<b>Institutional Advancement .....</b>	<b>88</b>	<b>12,716</b>	<b>494</b>		<b>13,210</b>	<b>13,298</b>	<b>5,717</b>
<b>Business Management/Activities .....</b>		<b>54,720</b>			<b>54,720</b>	<b>54,720</b>	<b>53,634</b>
Administration .....	27,789	16,200	380	7	16,587	44,376	46,816
Less Overhead Recovery .....		(12,317)			(12,317)	(12,317)	(10,669)
Facilities Services .....	82,246	1,404	26		1,430	83,676	82,457
<b>Transfers Out/(In):</b>							
Treasury .....	1,657					1,657	1,163
Plant .....		(594)	3,134		2,540	2,540	1,384
Endowment .....		798	3,273		4,071	4,071	4,384
<b>Total Transfers .....</b>	<b>1,657</b>	<b>204</b>	<b>6,407</b>		<b>6,611</b>	<b>8,268</b>	<b>6,931</b>
<b>TOTAL FUNDS APPLIED .....</b>	<b>298,451</b>	<b>228,258</b>	<b>35,957</b>	<b>50,353</b>	<b>314,568</b>	<b>613,019</b>	<b>595,457</b>
Expenses Against Prior Years' Obligations ..	11,203					11,203	10,683
<b>CHANGES IN FUND BALANCES .....</b>	<b>3,600</b>	<b>(1,437)</b>	<b>726</b>		<b>(711)</b>	<b>2,889</b>	<b>(1,570)</b>
<b>FUND BALANCES—End of Year (see Note 2) .....</b>	<b>\$39,224</b>	<b>\$37,959</b>	<b>\$25,302</b>		<b>\$63,261</b>	<b>\$102,485</b>	<b>\$99,596</b>

Note 1: Excludes \$225 thousand in FY 1994 and \$265 thousand in FY 1995 received as a permanent indefinite appropriation for the Canal Zone Biological Area Fund. Also excludes \$1,459 thousand received in FY 1994 and \$966 thousand received in FY 1995 foreign currency for research projects in India.

Note 2: The Federal fund balance includes \$32 million associated with no-year appropriations and \$7.5 million associated with annual appropriations for fiscal years 1991–1995.

Table 2. Auxiliary Activities, Fiscal Year 1995 (in \$000s)

	Sales and Membership Revenue	Gifts	Expenses	Net Revenue (Loss)
<b>FY 1994 .....</b>	<b>\$197,233</b>	<b>\$9,372</b>	<b>\$183,142</b>	<b>\$23,463</b>
<b>FY 1995:</b>				
<b>Central Auxiliary Activities:</b>				
Magazines .....	71,906	7	62,576	9,337
The Smithsonian Associates .....	31,462	8,781	36,914	3,329
Business Management: .....	7		463	(456)
Museum Shops/Mail Order .....	56,493		51,448	5,045
Concessions .....	3,577		2,025	1,552
Other .....	1,751		781	970
Smithsonian Institution Press .....	18,191		22,676	(4,485)
Electronic Media Activities .....	59		16	43
<b>Bureau Auxiliary Activities:</b>				
Air and Space Theater and Einstein Planetarium .....	4,275		2,960	1,315
Cooper-Hewitt, National Design Museum .....	817		502	315
Traveling Exhibition Services .....	840		977	(137)
Other .....	4,430	560	4,453	537
<b>TOTAL FY 1995 .....</b>	<b>\$193,808</b>	<b>\$9,348</b>	<b>\$185,791</b>	<b>\$17,365</b>

**Table 3. Endowment and Similar Funds, September 30, 1995 (in \$000s)**

	Book Value	Market Value
<b>ASSETS:</b>		
<i>Pooled Consolidated Endowment Funds:</i>		
Cash and equivalents .....	\$24,638	\$24,638
Interfund Receivable .....	1,495	1,495
US Government and Government Obligations .....	34,441	34,671
Bonds .....	52,638	54,451
Convertible Preferred .....	7,054	8,387
Stocks .....	270,090	319,742
Receivable for Securities Sold .....	3,113	3,113
Total Pooled Funds .....	393,469	446,497
<i>Nonpooled Endowment Funds:</i>		
Loan to U.S. Treasury in Perpetuity .....	1,010	1,040
Receivables .....	18	18
Investments in Charitable Trusts .....	1,467	1,580
Total Nonpooled Funds .....	2,495	2,638
Total Assets .....	\$395,964	\$449,135
<b>LIABILITIES AND FUND BALANCES:</b>		
<b>LIABILITIES:</b>		
Payables for Securities Purchased .....	\$12,923	\$12,923
Deferred Revenue—Charitable Trusts .....	1,467	1,580
Total Liabilities .....	14,390	14,503
<b>FUND BALANCE:</b>		
Unrestricted Purpose: True Endowment .....	9,890	12,004
Quasi Endowment .....	158,121	177,634
Total Unrestricted Purpose .....	168,011	189,638
Restricted Purpose: True Endowment .....	137,785	159,595
Quasi Endowment .....	75,778	85,399
Total Restricted Purpose .....	213,563	244,994
Total Fund Balances .....	381,574	434,632
Total Liabilities and Fund Balances .....	\$395,964	\$449,135

**Table 4. Changes in Market Value of Endowment and Similar Funds, Fiscal Year 1995 (in \$000s)**

	Unrestricted	Freer	Restricted	Total
Market Value—10/1/94 .....	\$166,799	\$64,821	\$147,410	\$379,030
<i>Changes:</i>				
Gifts—True .....	171	—	1,553	1,724
Gifts—Quasi .....	512	—	1,946	2,458
Internal Transfers .....	(755)	—	27	(728)
<i>Other</i>				
Interest and Dividends .....	8,080	3,127	7,173	18,380
Market Value Appreciation .....	21,879	8,428	19,500	49,807
Payout .....	(6,519)	(2,519)	(5,794)	(14,832)
Manager's Fees .....	(529)	(206)	(472)	(1,207)
Market Value—9/30/95 .....	\$189,638	\$73,651	\$171,343	\$434,632

Table 5. Endowment Funds, September 30, 1995

	Principal		Income	
	Book Value	Market Value	Net Income	Unexpended Balance
<b>UNRESTRICTED PURPOSE—TRUE:</b>				
Avery Fund (See Note 1) . . . . .	\$318,551	\$395,100	\$13,924	\$ —
Dodge, Patricia . . . . .	1,807	1,946	54	—
Fund for the Future—Unrestricted . . . . .	129,890	135,450	4,266	—
Higbee, Harry Memorial . . . . .	114,738	139,406	4,767	—
Hodgkins Fund (See Note 1) . . . . .	437,251	490,816	20,208	—
Morgan, Gilbert B. and Betty J. Memorial Fund . . . . .	49,773	55,054	1,883	—
Morrow, Dwight W. . . . .	578,860	727,376	24,873	—
Mussinan, Alfred . . . . .	174,880	212,716	7,274	—
Olmsted, Helen A. . . . .	5,977	7,425	254	—
Poore, Lucy T. and George W. (See Note 1) . . . . .	1,274,690	1,596,361	55,375	—
Porter, Henry Kirke, Memorial . . . . .	2,138,859	2,685,932	91,845	—
Sanford, George H. (See Note 1) . . . . .	8,465	10,229	382	—
Smithson, James (See Note 1) . . . . .	967,672	993,115	14,179	—
Smithson Society, James . . . . .	349,522	366,720	47,772	—
Walcott Charles D. and Mary Vaux, Research (Designated) . . . . .	3,339,427	4,186,096	143,144	107,224
Subtotal . . . . .	9,890,362	12,003,742	430,200	107,224
<b>UNRESTRICTED PURPOSE—QUASI:</b>				
Dodge, Patricia . . . . .	214,891	221,911	7,588	—
Ertl, Charles H. . . . .	1,441,201	1,606,667	54,940	—
Ferguson, Frances B. . . . .	733,106	797,187	27,260	—
Forrest, Robert Lee . . . . .	7,309,133	8,094,297	276,785	—
Fund for the Future—Unrestricted . . . . .	415,499	425,203	12,858	—
General Endowment (See Note 1) . . . . .	124,750,403	140,888,139	4,815,544	—
Goddard, Robert H. . . . .	57,863	64,101	2,192	—
Habel, Dr. S. (See Note 1) . . . . .	827	858	44	—
Hart, Gustavus E. . . . .	4,014	4,797	164	—
Henry, Caroline . . . . .	9,918	11,831	405	—
Henry, Joseph and Harriet A. . . . .	397,727	473,206	16,181	—
Heys, Maude C. . . . .	706,218	787,618	26,933	—
Hinton, Carrie Susan . . . . .	198,022	230,404	7,879	—
Koteen, Dorothy B. . . . .	259,211	274,839	9,398	—
Lambert, Paula C. . . . .	360,086	422,706	14,454	—
Medinus, Grace L. . . . .	7,011	7,840	268	—
O'Dea, Laura I. . . . .	237,117	269,140	9,203	—
Phillips, Roy R., Estate . . . . .	1,049,391	1,151,259	40,911	—
Rhees, William Jones (See Note 1) . . . . .	4,829	5,600	208	—
Safford, Clara Louise . . . . .	326,226	367,889	12,580	—
Smithsonian Bequest Fund (See Note 1) . . . . .	2,759,283	2,601,565	87,890	—
Sultner, Donald H. . . . .	655,630	1,003,336	33,978	—
Taggart, Ganson . . . . .	3,591	4,483	153	—
Winterer, Alice I. . . . .	176,743	169,404	5,793	—
Abbott, William L. (Designated) . . . . .	933,239	1,112,290	38,035	37,647
Barstow, Frederic D. (Designated) . . . . .	7,806	9,296	318	7,051
Hirshhorn Museum Acquisition Fund (Designated) . . . . .	3,144,558	3,744,034	125,547	—
Lindbergh Chair of Aerospace History (Designated) . . . . .	3,402,947	3,852,350	131,731	91,626
Lindbergh, Charles A. (Designated) . . . . .	55,481	62,023	2,121	13,343
Lyon, Marcus Ward, Jr. (Designated) . . . . .	37,532	42,192	1,443	7,743
Martin Marietta Internship (Designated) . . . . .	241,283	276,821	9,466	166
NMNH Research (Designated) . . . . .	163,520	163,666	5,595	13,653
NZP Programs (Designated) . . . . .	3,723,389	3,629,662	124,116	3,188
Smithsonian Agency Account (Designated) . . . . .	20,354	24,633	842	(18,268)
Smithsonian Press Scholarly Books Fund (Designated) . . . . .	2,268,243	2,699,576	92,315	55,045
Smithsonian Tropical Research Institute Endowment Fund (Designated) (See Note 2) . . . . .	—	—	21,687	—
Webb, James E., Fellowship (Designated) . . . . .	1,716,329	1,793,720	61,336	162,704
Women's Committee Fellowship (Designated) . . . . .	328,434	339,498	10,946	8,329
Subtotal . . . . .	158,121,055	177,634,041	6,089,107	382,227
Total Unrestricted Purpose . . . . .	168,011,417	189,637,783	6,519,307	489,451
<b>RESTRICTED PURPOSE—TRUE:</b>				
Aitken, Annie Laurie . . . . .	466,084	537,426	18,377	76,582
Arthur, James . . . . .	288,794	364,319	12,458	20,245
Axelrod, Dr. Herbert R. . . . .	126,781	132,873	2,660	2,660
Baird, Spencer Fullerton . . . . .	259,650	325,663	11,136	2,242
Barney, Alice Pike, Memorial . . . . .	206,987	261,073	8,927	48,689
Batchelor, Emma E. . . . .	235,161	270,052	9,234	31,640
Beauregard, Catherine, Memorial . . . . .	377,615	435,298	14,885	84,762

Table 5. Endowment Funds, September 30, 1995 (continued)

	Principal		Income	
	Book Value	Market Value	Net Income	Unexpended Balance
Bergen, Charlotte V. ....	24,547	26,963	934	5,389
Brown, Roland W. ....	235,233	279,636	9,562	14,204
Burch, George, Fellowship in Theoretic Medicine and Affiliated Theoretic Sciences Fund .....	2,271,367	2,450,169	83,784	174,460
Camel Fund .....	112,579	108,668	3,716	1,677
Canfield, Frederick A. ....	308,651	401,397	13,726	
Casey, Thomas Lincoln .....	98,143	116,963	4,000	15,132
Chamberlain, Frances Lea .....	203,233	256,340	8,766	26,721
Cooper Fund for Paleobiology .....	362,367	390,970	12,468	9,541
deSalle, Albert and Peggy .....	67,377	67,399	576	576
Deibel, Charles P. ....	117,099	114,146	3,903	10,349
Discovery Communications, Inc. ....	350,918	361,780	5,362	5,362
Division of Mammals Curators Fund .....	20,885	24,011	821	1,643
Drake Foundation .....	1,353,708	1,557,966	53,014	144,320
Drouet, Francis and Louderback, Harold B. ....	475,512	514,903	17,607	27,722
Dykes, Charles, Bequest .....	451,216	516,653	17,667	59,190
Eaton, Harriet Phillips .....	83,776	89,430	3,058	14,791
Eickemeyer, Florence Brevoort .....	78,423	98,907	3,382	8,937
Eppley Memorial .....	39,303	41,955	1,435	6,939
Forbes, Edward Waldo .....	1,304,328	1,413,468	48,333	119,459
Freer, Charles L. ....	61,866,904	73,651,475	2,518,513	2,044,592
Fund for the Future—Samuel C. Johnson Theater .....	816,500	828,848	22,351	17,248
Fund for the Future—Mary L. Ripley Garden .....	52,873	53,952	1,018	1,249
Fund for the Future—Ethel Niki Kominik .....	109,463	112,812	3,858	5,728
Fund for the Future—Vincent Wilkinson .....	52,473	54,153	772	772
Global Environmental Endowment Fund .....	3,920	4,173	143	683
Grimm, Sergei N. ....	208,164	230,755	7,891	13,396
Groom, Barrick W. ....	211,641	232,285	7,943	31,146
Guggenheim, Daniel and Florence .....	830,934	942,381	32,225	3,842
Hamilton, James (See Note 1) .....	7,211	8,232	343	5,369
Haupt, Enid A. Garden .....	3,554,431	3,465,262	118,495	234,083
Henderson, Edward P. and Rebecca R., Meteorite Fund .....	351,985	364,104	12,451	22,890
Hewitt, Eleanor G., Repair Fund .....	51,135	59,249	2,026	4,253
Hewitt, Sarah Cooper .....	302,073	349,723	11,959	15,787
Hillyer, Virgil .....	51,465	61,336	2,097	14,963
Hitchcock, Albert S. ....	11,530	14,595	499	3,268
Hodgkins Fund (See Note 1) .....	165,372	171,554	8,819	35,902
Hrdlicka, Ales and Marie .....	377,511	453,563	15,510	16,840
Hughes, Bruce .....	138,266	174,443	5,965	21,361
Huntington Publication Fund .....	353,596	375,884	12,780	59,381
Johnson, Seward, Trust Fund for Oceanography .....	25,670,841	30,632,739	1,047,487	—
Kellogg, Remington and Marguerite, Memorial .....	410,347	462,034	15,799	1,940
Kottler, Howard, Endowment for Ceramic Art .....	75,264	76,479	218	218
Kramar, Nada .....	28,676	32,296	1,104	3,022
Krombein, Karl V. ....	59,452	59,350	2,030	332
Mandil, Harry and Beverly .....	125,868	128,037	4,378	2,133
Maxwell, Mary E. ....	141,670	178,733	6,112	32,340
Mellon Foundation Challenge Grant/Endowment .....	873,670	996,866	34,088	124,252
Mellon Publications Endowment Fund .....	1,125,601	1,158,122	39,602	101,589
Milliken, H. Oothout, Memorial .....	1,161	1,741	60	478
Mineral Endowment .....	690,644	804,385	27,506	419
Mitchell, William A. ....	94,098	109,808	3,755	648
Moynihan, Elizabeth Brennan .....	54,730	52,450	1,794	2,953
Museum of the American Indian—Heye Foundation .....	1,197,514	1,278,326	43,712	168,508
NMAI Educational Endowment Fund .....	97,824	97,408	2,401	177
Nelms, Henning .....	297,315	304,539	10,395	36,320
Nelson, Edward William .....	163,036	202,400	6,921	23,578
Nesbitt, Lowell .....	21,571	22,676	711	711
Petrocelli, Joseph, Memorial .....	53,693	67,795	2,318	14,454
Reid, Addison T. (See Note 1) .....	157,391	184,743	6,642	37,876
Ripley, S. Dillon and Mary Livingston .....	307,704	339,841	11,366	—
Roebeling Fund .....	867,943	1,093,352	37,387	111
Rollins, Miriam and William .....	1,950,733	2,307,682	78,142	87,790
Sackler Public Affairs .....	3,345,367	3,261,012	111,510	146,521
Schmitt, John J. ....	24,478	26,130	894	4,322
Sims, George W. ....	216,505	238,458	8,154	48,606
The Sichel Family, Endowment for Research at the NZP .....	104,415	105,122	1,198	1,198
Sisley, George J. ....	169,886	176,950	4,714	5,745
Sprague Fund .....	12,086,695	13,796,539	467,171	313,975
Springer, Frank .....	129,644	163,152	5,579	24,535
Stern, Harold P., Memorial .....	1,355,001	1,558,003	53,276	388,043
Stevenson, John A., Mycological Library .....	37,494	44,574	1,524	7,897

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Dykes, Charles, Bequest . . . . .	451,216	516,653	17,667	59,190
Eaton, Harriet Phillips . . . . .	83,776	89,430	3,058	14,791
Eickemeyer, Florence Brevoort . . . . .	78,423	98,907	3,382	8,937
Eppley Memorial . . . . .	39,303	41,955	1,435	6,939
Forbes, Edward Waldo . . . . .	1,304,328	1,413,468	48,333	119,459
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Global Environmental Endowment Fund . . . . .	3,920	4,173	143	683
Grimm, Sergei N. . . . .	208,164	230,755	7,891	13,396
Groom, Barrick W. . . . .	211,641	232,285	7,943	31,146
Guggenheim, Daniel and Florence . . . . .	830,934	942,381	32,225	3,842
Hamilton, James (See Note 1) . . . . .	7,211	8,232	343	5,369
Haupt, Enid A. Garden . . . . .	3,554,431	3,465,262	118,495	234,083
Henderson, Edward P. and Rebecca R., Meteorite Fund . . . . .	351,985	364,104	12,451	22,890
Hewitt, Eleanor G., Repair Fund . . . . .	51,135	59,249	2,026	4,253
Hewitt, Sarah Cooper . . . . .	302,073	349,723	11,959	15,787
Hillyer, Virgil . . . . .	51,465	61,336	2,097	14,963
Hitchcock, Albert S. . . . .	11,530	14,595	499	3,268
Hodgkins Fund (See Note 1) . . . . .	165,372	171,554	8,819	35,902
Hrdlicka, Ales and Marie . . . . .	377,511	453,563	15,510	16,840
Hughes, Bruce . . . . .	138,266	174,443	5,965	21,361
Huntington Publication Fund . . . . .	353,596	375,884	12,780	59,381
Johnson, Seward, Trust Fund for Oceanography . . . . .	25,670,841	30,632,739	1,047,487	—
Kellogg, Remington and Marguerite, Memorial . . . . .	410,347	462,034	15,799	1,940
Kottler, Howard, Endowment for Ceramic Art . . . . .	75,264	76,479	218	218
Kramar, Nada . . . . .	28,676	32,296	1,104	3,022
Krombein, Karl V. . . . .	59,452	59,350	2,030	332
Mandil, Harry and Beverly . . . . .	125,868	128,037	4,378	2,133
Maxwell, Mary E. . . . .	141,670	178,733	6,112	32,340
Mellon Foundation Challenge Grant/Endowment . . . . .	873,670	996,866	34,088	124,252
Mellon Publications Endowment Fund . . . . .	1,125,601	1,158,122	39,602	101,589
Milliken, H. Oothout, Memorial . . . . .	1,161	1,741	60	478
Mineral Endowment . . . . .	690,644	804,385	27,506	419
Mitchell, William A. . . . .	94,098	109,808	3,755	648
Moynihan, Elizabeth Brennan . . . . .	54,730	52,450	1,794	2,953
Museum of the American Indian—Heye Foundation . . . . .	1,197,514	1,278,326	43,712	168,508
NMAI Educational Endowment Fund . . . . .	97,824	97,408	2,401	177
Nelms, Henning . . . . .	297,315	304,539	10,395	36,320
Nelson, Edward William . . . . .	163,036	202,400	6,921	23,578
Nesbitt, Lowell . . . . .	21,571	22,676	711	711
Petrocelli, Joseph, Memorial . . . . .	53,693	67,795	2,318	14,454
Reid, Addison T. (See Note 1) . . . . .	157,391	184,743	6,642	37,876
Ripley, S. Dillon and Mary Livingston . . . . .	307,704	339,841	11,366	—
Roebbling Fund . . . . .	867,943	1,093,352	37,387	111
Rollins, Miriam and William . . . . .	1,950,733	2,307,682	78,142	87,790
Sackler Public Affairs . . . . .	3,345,367	3,261,012	111,510	146,521
Schmitt, John J. . . . .	24,478	26,130	894	4,322
Sims, George W. . . . .	216,505	238,458	8,154	48,606
The Sichel Family, Endowment for Research at the NZP . . . . .	104,415	105,122	1,198	1,198
Sisley, George J. . . . .	169,886	176,950	4,714	5,745
Sprague Fund . . . . .	12,086,695	13,796,539	467,171	313,975
Springer, Frank . . . . .	129,644	163,152	5,579	24,535
Stern, Harold P., Memorial . . . . .	1,355,001	1,558,003	53,276	388,043
Stevenson, John A., Mycological Library . . . . .	37,494	44,574	1,524	7,897

**Table 6. Construction and Plant Funds, Fiscal Years 1995 and 1994 (in \$000s)**

	FY 1995	FY 1994
<b>FUNDS PROVIDED</b>		
<i>Federal Construction Appropriations:</i>		
National Zoological Park .....	3,042	5,400
Repair and Restoration of Buildings .....	23,954	24,000
Construction Planning and Minor Construction .....	571	4,200
National Museum of the American Indian .....	19,469	6,200
Smithsonian Tropical Research Institute .....	(700)	
National Air and Space Museum Dulles Extension .....	92	
General Post Office Building .....	(1,700)	
<b>Total Federal Construction Appropriations .....</b>	<b>44,728</b>	<b>39,800</b>
<b>Nonappropriated Trust Plant Funds:</b>		
<i>Income—Gift and Other</i>		
Cooper-Hewitt, National Design Museum .....	1,613	30
National Museum of the American Indian .....	2,894	9,042
National Museum of Natural History—Gem Hall .....	2,215	2,434
Other .....	322	196
<b>Total Income .....</b>	<b>7,044</b>	<b>11,702</b>
<i>Transfers (to)/from Other Funds:</i>		
National Museum of the American Indian .....	2,496	1,600
Other .....	44	(617)*
<b>Total Transfers .....</b>	<b>2,540</b>	<b>983</b>
<b>Total Funds Provided .....</b>	<b>54,312</b>	<b>52,485</b>

\* \$216,000 reclassified to current operating funds, and \$401,000 transferred to an endowment fund.



*Rita Mesquita of the National Institute for Amazonian Research (INPA) and Don Wilson, Director of Biodiversity programs at NMNH, examine regenerating forest in the heart of the Amazon basin in an effort to learn more about the effects of rainforest destruction and the resulting loss of biodiversity in the tropics. (Photograph by Laurie Minor-Penland)*



# Independent Auditors' Report

BOARD OF REGENTS  
SMITHSONIAN INSTITUTION:

We have audited the accompanying statement of financial condition of the Smithsonian Institution as of September 30, 1995, and the related statements of financial activity and cash flows for the year then ended. These financial statements are the responsibility of the Institution's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the

amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Smithsonian Institution as of September 30, 1995, and the results of its operations and its cash flows for the year then ended, in conformity with generally accepted accounting principles.

## Statement of Financial Condition September 30, 1995 (with comparative totals for 1994) (In thousands)

	Trust funds	Federal funds	Total 1995	Total 1994
<b>Assets:</b>				
Cash and balances with U.S. Treasury	\$ 1,075	173,124	174,199	172,880
Investments (note 3)	464,048	—	464,048	409,731
Receivables and advances (note 5)	82,582	14,595	97,177	72,765
Inventory	18,222	1,425	19,647	19,302
Prepaid, deferred expense and other (note 6)	28,293	—	28,293	21,007
Property and equipment, net (note 7)	89,355	353,412	442,767	434,613
Collections (note 11)	—	—	—	—
<b>Total assets</b>	<b>\$ 683,575</b>	<b>542,556</b>	<b>1,226,131</b>	<b>1,130,298</b>
<b>Liabilities:</b>				
Accounts payable and accrued expenses	\$ 52,422	24,048	76,470	59,663
Payable for investment securities purchased	12,923	—	12,923	9,544
Deposits held for others (note 2)	5,996	1,349	7,345	12,084
Accrued annual leave and voluntary separation costs (note 14)	4,213	12,960	17,173	22,244
Deferred revenue	69,820	—	69,820	43,625
Long-term debt (note 9)	3,350	—	3,350	3,103
<b>Total liabilities</b>	<b>148,724</b>	<b>38,357</b>	<b>187,081</b>	<b>150,263</b>
<b>Fund balances:</b>				
Trust:				
Current:				
Unrestricted general purpose	10,159	—	10,159	11,019
Unrestricted special purpose	27,800	—	27,800	28,377
Restricted	25,302	—	25,302	24,576
Endowment and similar funds (note 4)	381,574	—	381,574	348,228
Plant funds	90,016	—	90,016	83,778
Federal:				
Operating funds (note 10)	—	51,360	51,360	47,986
Construction funds	—	98,003	98,003	89,357
Capital funds	—	354,836	354,836	346,714
<b>Total fund balances</b>	<b>534,851</b>	<b>504,199</b>	<b>1,039,050</b>	<b>980,035</b>
<b>Commitments and contingencies (note 8)</b>				
<b>Total liabilities and fund balances</b>	<b>\$ 683,575</b>	<b>542,556</b>	<b>1,226,131</b>	<b>1,130,298</b>

See accompanying notes to financial statements.

Smithsonian Institution Statement of Financial Activity for the year ended  
September 30, 1995 (with comparative totals for 1994) (In thousands)

	Trust Funds				Federal Funds				Total 1995	Total 1994
	Current funds (note 16)	Endowment and similar funds	Plant funds	Total trust	Operating funds	Construction funds	Capital funds	Total federal		
Revenue and other additions:										
Appropriations (note 10)	\$ —	—	—	—	313,254	44,728	—	357,982	357,982	342,149
Government grants and contracts	50,353	—	—	50,353	—	—	—	—	50,353	45,701
Investment income	20,671	—	984	21,655	—	—	—	—	21,655	18,885
Net gain (loss) on sale of securities	(33)	27,551	—	27,518	—	—	—	—	27,518	17,279
Gifts, bequests and private grants	33,199	1,724	5,995	40,918	—	—	—	—	40,918	46,588
Additions to plant	—	—	3,202	3,202	—	—	41,634	41,634	44,836	55,663
Rentals, fees, and commissions (note 10)	15,859	—	24	15,883	1,231	—	—	1,231	17,114	10,641
Auxiliary activities	193,808	—	—	193,808	—	—	—	—	193,808	197,233
Total revenue and other additions	313,857	29,275	10,205	353,337	314,485	44,728	41,634	400,847	754,184	734,139
Expenditures and other deductions:										
Research, education and collection acquisition (note 11)	104,521	—	—	104,521	199,418	—	—	199,418	303,939	289,048
Administration	25,736	—	—	25,736	27,790	—	—	27,790	53,526	55,157
Facilities services	1,429	—	—	1,429	82,246	—	—	82,246	83,675	82,457
Acquisition of plant	—	—	2,600	2,600	—	36,082	—	36,082	38,682	49,306
Property use and depreciation (note 7)	—	—	3,907	3,907	—	—	35,512	33,512	37,419	35,575
Auxiliary activities	176,271	—	—	176,271	—	—	—	—	176,271	173,823
Total expenditures and other deductions	307,957	—	6,507	314,464	309,454	36,082	33,512	379,048	693,512	685,366
Excess of revenue and other additions over expenditures and other deductions	5,900	29,275	3,698	38,873	5,031	8,646	8,122	21,799	60,672	48,773
Transfers (note 12)	(6,611)	4,071	2,540	—	—	—	—	—	—	—
Net increase (decrease) for the year	(711)	33,346	6,238	38,873	5,031	8,646	8,122	21,799	60,672	48,773
Returned to U.S. Treasury (note 10)	—	—	—	—	(1,657)	—	—	(1,657)	(1,657)	(1,163)
Fund balances at beginning of year	63,972	348,228	83,778	495,978	47,986	89,357	346,714	484,057	980,035	932,425
Fund balances at end of year	\$ 63,261	381,574	90,016	534,851	51,360	98,003	354,836	504,199	1,039,050	980,035

See accompanying notes to financial statements.

Smithsonian Institution Statement of Cash Flows for the year ended  
September 30, 1995 (with comparative totals for 1994) (In thousands)

	Trust funds	Federal funds	Total 1995	Total 1994
Cash flows from operating activities:				
Excess of revenue and other additions over expenditures and other deductions	\$ 38,873	21,799	60,672	48,773
Adjustments to reconcile to net cash provided by operating activities:				
Depreciation and amortization	5,499	33,302	38,801	35,694
Loss on disposition of assets	87	284	371	1,308
Provision for doubtful accounts	1,736	—	1,736	2,609
Net gain on sale of securities	(27,518)	—	(27,518)	(17,279)
Returned to U.S. Treasury	—	(1,657)	(1,657)	(1,163)
Increase in net receivables and advances	(19,458)	(4,385)	(23,843)	(6,468)
Increase in inventory	(269)	(75)	(344)	(664)
Increase in prepaid and deferred expense	(7,286)	—	(7,286)	(821)
Increase (decrease) in payables	6,045	4,179	10,224	(65)
Increase (decrease) in deposits held for others	129	(4,868)	(4,739)	6,331
Increase (decrease) in accrued leave and other	(6)	(5,065)	(5,071)	6,502
Increase (decrease) in deferred revenue	26,195	—	26,195	(3,138)
Net cash provided by operating activities	24,027	43,514	67,541	71,619
Cash flows from investing activities:				
Purchases of assets	(6,203)	(41,634)	(47,837)	(58,192)
Purchases of investment securities	(1,433,791)	—	(1,433,791)	(828,110)
Proceeds from sale of investment securities	1,415,159	—	1,415,159	829,212
Net cash used for investing activities	(24,835)	(41,634)	(66,469)	(57,090)
Cash flows from financing activities:				
Proceeds from long-term debt	500	—	500	—
Repayments of long-term debt	(253)	—	(253)	(8,433)

Smithsonian Institution Statement of Cash Flows for the year ended  
September 30, 1995 (with comparative totals for 1994) (In thousands) (continued)

Net cash provided (used) by financing activities	247	—	247	(8,433)
Net increase (decrease) in cash and balances with U.S. Treasury	(561)	1,880	1,319	6,096
Cash and balances with U.S. Treasury:				
Beginning of year	1,636	171,244	172,880	166,784
End of year	\$ 1,075	173,124	174,199	172,880

See accompanying notes to financial statements.

SMITHSONIAN INSTITUTION

Notes to Financial Statements, September 30, 1995

(1) Summary of Significant Accounting Policies

Basis of Presentation

These financial statements reflect the Smithsonian Institution's receipt and expenditure of funds obtained from all sources. These funding sources include federal appropriations, private sources, government grants and contracts, investment income, and certain business activities.

Funds received from direct federal appropriations are reported in the columns titled *Federal Funds* in the financial statements. All other funds are reported in the columns titled *Trust Funds* in the financial statements. Federal funds and trust funds are accounted for on the accrual basis of accounting.

These financial statements do not include the accounts of the National Gallery of Art, the John F. Kennedy Center for the Performing Arts, or the Woodrow Wilson International Center for Scholars, which were established by Congress within the Institution, but are administered under separate boards of trustees.

Fund Accounting

To ensure compliance with the limitations and restrictions placed on the use of resources available to the Institution, accounts are maintained in accordance with the principles of fund accounting. This procedure classifies resources for control, accounting and reporting purposes into distinct funds established according to their nature and purposes. Separate accounts are maintained for each fund; however, in the accompanying financial statements, funds that have similar characteristics have been combined for presentation into fund groups. Accordingly, all financial transactions have been reported by fund group.

The assets, liabilities, and fund balances of the Institution are self-balancing as follows:

**Federal operating funds** represent appropriated funds available for support of the Institution's operations and are generally available for obligation only in the year received. Separate subfund groups are maintained for each appropriation as follows: Salaries and Expenses; Special Foreign Currency; and the Barro Colorado Island Trust Fund, which supports the Smithsonian Tropical Research Institute.

**Federal construction funds** represent the portion of appropriated funds available for building and facility construction, restoration, renovation and repair and are available for obligation until expended. Separate subfund groups are maintained for each appropriation: Construction and Improvements, Repairs and Restoration of Buildings, and the National Zoological Park.

**Federal capital funds** represent the depreciated historical cost of the Institution's assets acquired with federal funds plus nonexpendable property transfers from U.S. Government agencies.

**Trust current funds** which include unrestricted and restricted resources, represent nonappropriated funds available for support of the Institution's operations.

**Trust endowment and similar funds** include both true and quasi-endowment funds. True endowments are subject to restrictions of gift instruments and require that the principal be invested in perpetuity and that only income be expended. Also classified as endowment and similar funds are gifts which allow the expenditure of principal only under specified conditions. Quasi-endowment funds are funds established by the governing board for the same purposes as endowment funds; however, any portion of such funds may be expended with board approval. Restricted quasi-endowment funds represent gifts for restricted purposes where there is no stipulation that the principal be maintained in perpetuity or for a period of time, but the governing board has elected to invest the principal and expend only the income for the purpose stipulated by the donor.

**Trust plant funds** represent resources restricted or internally designated for future plant acquisitions, and the depreciated historical cost of the Institution's assets acquired with plant funds.

Investments

Investments are stated at cost or amortized cost. Investments are recorded at cost on a trade date basis if purchased, or at estimated fair value at date of acquisition if acquired by gift.

All investment income, except that of endowment and similar funds, and gains and losses arising from the sale of investments, are accounted for in the fund in which the related assets are recorded. Income of endowment and similar funds is accounted for using the total return method (note 4) in the fund to which it is restricted or, if unrestricted, as revenue in unrestricted current funds. Gains and losses on the sales of investments are recognized on the trade date basis using the average cost method.

Inventory

Inventories are reported at the lower of cost or market. Cost is determined using the first-in, first-out method.

Deferred Revenue and Expense

Revenue from subscriptions to *Smithsonian* magazine and *Air & Space/Smithsonian* magazine is recorded as income over the period of the related subscription, which is generally one year. Certain costs to obtain subscriptions to *Smithsonian* magazine and *Air & Space/Smithsonian* magazine are charged against income over the subscription period.

The Institution expenses promotion production costs the first time the advertising takes place. Direct-response advertising is deferred and amortized over one year.

### *Works of Art, Living and Other Specimens*

The Institution acquires its collections, which include works of art, library books, photographic archives, objects and specimens, from purchases using federal or private funds or by donation. All collections are held for public exhibition, education, or research, furthering the Institution's mission to increase and diffuse knowledge to the public. The Institution provides protection and preservation services for its collections.

In accordance with policies generally followed by museums, no value is assigned to the collections on the statement of financial condition. Collection purchases are expensed currently. Proceeds from deaccessions are recognized as revenue in the year of sale, and are designated for future collection acquisitions.

### *Property and Equipment*

#### *Federal Funds*

Property and equipment purchased with federal funds are recorded in the capital funds at cost and depreciated on a straight-line basis over their useful lives as follows:

Buildings	30 years
Major renovations	15 years
Nonexpendable equipment	10 years

Certain lands occupied by the Institution's buildings were appropriated and reserved by Congress for the Institution and are not reflected in the accompanying financial statements. Property and nonexpendable equipment acquired through transfer from government agencies are capitalized at the net book value or fair value, whichever is more readily determinable.

#### *Trust Funds*

Property and equipment purchased with trust funds for use by nonincome-producing activities are recorded at cost, or appraised value at date of gift, except for gifts of certain islands in the Chesapeake Bay, which has been recorded at nominal values.

Capital improvements and equipment purchased with trust funds for use by income-producing activities are capitalized at cost in the current funds. Property and equipment are depreciated on the straight-line basis over their useful lives as follows:

Buildings	30 years
Major renovations	15 years
Equipment	3–10 years

### *Government Grants and Contracts*

The Institution receives grants and enters into contracts, with the U.S. government and state and local governments, which primarily provide for cost reimbursement to the Institution. Governmental grant and contract revenue is recognized as reimbursable expenditures are incurred.

### *Gifts, Bequests, and Other Grants*

The Institution recognizes revenue from gifts, bequests and private grants in the year the cash is received.

The Institution records pledges based upon letters signed by donors. Pledges are recorded at net realizable value as a receivable and as deferred revenue on the statement of financial condition. Revenue from pledges is recognized in the year the pledged funds are collected.

### *Contributed Services and Facilities*

A substantial number of volunteers make significant contributions of their time to further of the Institution's programs. The Institution also uses certain facilities for a nominal charge. The value of the contributed time and facilities is not reflected in these statements as it is not susceptible to objective measurement or valuation.

### *Annual Leave*

The Institution's civil service employees earn annual leave in accordance with federal laws and regulations. Separate rules apply for trust employees. Annual leave for all employees is recognized as expense when earned.

### *Cash and Balances with the U.S. Treasury*

Amounts represent cash deposited with financial institutions and balances held by the U.S. Treasury which are available for disbursement. Cash interest payments were \$201,000 and \$781,000 in 1995 and 1994, respectively.

### *Statements of Financial Accounting Standards No.'s 116 and 117*

For fiscal year 1996, the Institution will be required to implement SFAS No. 116 *Accounting for Contributions Received and Contributions Made*, and SFAS No. 117 *Financial Statements of Not-For-Profit Organizations*. Among the significant provisions of SFAS 116 is the recognition of pledges as revenue when made. SFAS 117 requires changes in the display of financial statements from fund accounting to a display based on the concept of "net assets." The impact of these pronouncements and the options available to the Institution are under study.

### *(2) Affiliate Relationships*

The Institution provides certain fiscal, procurement facilities and administrative services to several separately incorporated affiliated organizations for which certain officials of the Institution serve on the governing boards. The amounts paid to the Institution by these organizations for the above services totaled \$169,000 for the trust funds and \$370,000 for the federal funds for fiscal year 1995.

Deposits held in custody for these organizations at September 30, 1995, were \$5,996,000 and \$1,349,000 for trust and federal funds, respectively.

### *(3) Investments*

At September 30, 1995, investments consisted of:

	(5000s)	
	Carrying value	Market value
Current funds		
Cash equivalents	\$ 22,498	22,502
U.S. government obligations	49,720	49,434
Common stocks	6	5
	72,224	71,941
Plant funds		
U.S. government obligations	361	365
Common stocks	125	288
	486	653
Endowment and similar funds		
Pooled investments		
Cash equivalents	24,638	24,638
U.S. government and quasi-government obligations	34,441	34,671
Corporate bonds and other obligations	52,638	54,451
Common and preferred stocks	277,144	328,129
Total pooled investments	388,861	441,889
Nonpooled investments		
Deposit with U.S. Treasury	1,010	1,040
Charitable trusts	1,467	1,580
Total nonpooled investments	2,477	2,620
Total endowment and similar funds	391,338	444,509
Total investments	\$ 464,048	517,103

### *(4) Endowment and Similar Funds*

The Institution uses the total return approach to investment management of endowment funds and quasi-endowment funds. Each year, the endowment pays out an amount for current expenditures based upon a number of factors evaluated and approved by the Board of Regents. The payout for 1995 was 4.2 percent of the average market value of the endowment over the prior five years. The difference between the income (i.e., dividends, interest and realized capital gains) and the payout for the year is reinvested or withdrawn from previously accumulated returns. Actual income exceeded the payout amount in fiscal year 1995 and the excess was transferred from current funds to the endowment and similar funds (see note 12).

Substantially all of the investments of the endowment and similar funds are pooled on a market value basis. Each fund subscribes to or disposes of units

on the basis of the per unit market value at the beginning of the month that the transaction takes place. At September 30, 1995, each unit had a market value of \$483. The market value of the pool's net assets at September 30, 1995 was \$433,351,000, representing all pooled investments (see note 3) net of receivables and payables for investment transactions.

Each fund participating in the investment pool receives an annual payout equal to the number of units owned times the annual payout amount per unit. The payout for fiscal year 1995 was \$16.50 per unit. Based on approved Board policy, if the market value of any endowment fund is less than 110 percent of the historical value, the current payout is limited to the actual interest and dividends allocable to that fund.

Fund balances of the endowment and similar funds were comprised of the following at September 30, 1995:

	Units	(\$000s)
Endowment - unrestricted	23,370	\$ 9,890
Endowment - restricted	330,504	137,785
Quasi-endowment - unrestricted	367,229	158,121
Quasi-endowment - restricted	176,984	75,778
Total endowment fund balance		\$ 381,574

#### (5) Receivables and Advance Payments

Trust fund receivables at September 30, 1995 consisted of:

	(\$000s)
Auxiliary activities and other, net of \$1,722 in allowances	\$ 18,907
Investment securities sold	3,113
Pledges	22,447
Grants and contracts	9,176
Interest and dividends due	2,520
Interfund receivables and other	26,419
Total receivables and advances - trust fund	\$ 82,582

Federal advance payments of \$14,595,000 represent prepayments made to government agencies, educational institutions, firms and individuals for services to be rendered, or property or materials to be furnished.

At September 30, 1995, the Institution had advance payments outstanding to the General Services Administration of \$10,178,000, principally for equipment purchases for the Museum Support Center and other projects to be completed in future years. Advance payments to educational institutions amounting to \$2,316,000 were principally under the Special Foreign Currency Program. Other advance payments totaled \$2,101,000.

#### (6) Deferred Promotion Costs

At September 30, 1995 and 1994, respectively, prepaid, deferred expense and other includes approximately \$11,800,000 and \$11,000,000 of deferred promotion costs, mostly related to the Smithsonian Magazine, were reported as assets. Promotion expense was \$17,957,000 and \$20,549,000 in fiscal year 1995 and 1994, respectively.

#### (7) Property and Equipment

Property and equipment at September 30, 1995 consisted of:

	(\$000s)				
	Trust funds		Federal funds	Totals	
	Current funds	Plant funds			
Land	\$ -	2,565	-	2,565	
Buildings	4,125	86,012	310,359	400,496	
Capital improvements	28,486	-	328,203	356,689	
Equipment	13,335	7,484	50,207	71,026	
Leasehold improvements	1,582	-	-	1,582	
	47,528	96,061	688,769	832,358	
Accumulated depreciation	(24,142)	(30,092)	(335,357)	(389,591)	
Total property and equipment	\$ 23,386	65,969	353,412	442,767	

Property use and depreciation in the federal funds for expenditure and other deductions for fiscal year 1995 included \$33,302,000 of depreciation expense in the capital funds.

Depreciation expense in the trust funds for fiscal year 1995 for income-producing assets amounted to \$2,069,000 and is included in auxiliary activities expenditures in the current funds. Depreciation for non-income producing equipment and buildings for fiscal year 1995 amounted to \$3,907,000 and is included in the plant funds.

At September 30, 1995, the fund balance of the trust plant funds included \$22,652,000 of restricted funds and \$1,395,000 of unrestricted funds designated for future plant acquisitions.

#### (8) Commitments and Contingencies

##### Leasing Activities

Leases for Smithsonian warehouse and office spaces provide for rent escalations to coincide with increases in property taxes, operating expenses attributable to the leased property and the Consumer Price Index. The Institution has the authority to enter into leases for up to 30 years using federal funds.

The Institution's operating leases for the warehouse and office spaces require future minimum lease payments as follows:

Year	(\$000s)
1996	\$ 10,771
1997	9,137
1998	8,553
1999	7,900
2000	3,245
Thereafter	4,237
	\$ 43,843

Rental expense for these operating leases totaled \$9,880,000 for fiscal year 1995.

##### Government Grants and Contracts

The Institution receives funding or reimbursement from governmental agencies for various activities which are subject to audit. Audits of these activities have been completed through fiscal year 1994. However, audits of fiscal years 1993 and 1994 have not been closed with the cognizant agency. Management believes that any adjustments which may result from those audits and the audits for fiscal year 1995 would not have a material effect on the Institution's financial statements.

#### (9) Long-term Debt

All September 30, 1995, long-term debt consisted of an unsecured note payable to Signet Bank totaling \$2,850,000 and an interest-free loan from the Virginia Department of Aviation totaling \$500,000.

The Signet note bears interest at 1 percent in excess of the Federal Funds Rate, which was 6.20 percent at September 30, 1995. Interest is payable quarterly; principal is payable in quarterly installments of \$63,333. The remaining unpaid principal balance is due December 31, 1996. The proceeds from the Signet Bank note financed a warehouse facility for Institution museum shops. During the fiscal year 1995, \$203,000 was recorded as interest expense in the auxiliary activities funds for the note with Signet Bank.

The Virginia Department of Aviation provided the Institution with an interest-free loan totaling \$3 million, \$500,000 of which was received by year-end. This loan will help finance the planning, marketing, fund raising, and design of the proposed National Air and Space Museum extension at Washington Dulles International Airport. The Institution is scheduled to repay the outstanding loan not later than June 30, 1998.

The aggregate amount due for outstanding loans for the years ending September 30, are as follows:

Year	(\$000s)
1996	\$ 253
1997	2,597
1998	500
	\$ 3,350

#### (10) Availability of Prior Years' Appropriations

The U.S. Congress enacted Public Law 101-510, the Defense Authorization Act (the Act) which determined prior year appropriations are only available for a five-year period. Beginning with the fiscal year 1989 appropriations, recipients were required to maintain annual appropriations for a five-year period following the year of appropriation. At the end of this six-year life, the appropriation account is closed and any unobligated balances are returned to the U.S. Treasury. During fiscal year 1995, the Institution returned \$1,657,000 to the U.S. Treasury which represented the unobligated balance for fiscal year 1990.

#### (11) Accessions and Deaccessions

For fiscal year 1995, \$4,224,000 of trust funds and \$2,160,000 of federal funds were spent to acquire collection items. Proceeds from trust fund deaccessions were \$601,000. There were no collection deaccessions purchased with federal funds in fiscal year 1995. At September 30, 1995, proceeds from deaccessions of \$10,138,000 were designated for collections acquisitions and preservation in the trust funds as quasi-endowment.

#### (12) Transfers Among Trust Funds

The following transfers were made among trust fund groups for fiscal year 1995:

	(\$000s)			
	Current funds		Endowment and similar funds	Plant funds
	Unrestricted	Restricted		
Investment return in excess of payout	\$ (1,032)	(1,309)	2,341	-
Quasi-endowment funds returned	872	1,170	(2,042)	-
Designated as quasi-endowment	(629)	(3,143)	3,772	-
Other transfers, net	585	(3,125)	-	2,540
Total transfers	\$ (204)	(6,407)	4,071	2,540

#### (13) Employee Benefit Plans

The federal employees of the Institution are covered by either the Civil Service Retirement System (CSRS) or the Federal Employee Retirement System (FERS). The features of both of these systems are defined in published government documents. Under both systems, the Institution withholds from each federal employee's salary the required salary percentage. The Institution also contributes specified percentages. The Institution's program costs for fiscal year 1995 was approximately \$14,450,000. The Institution has a separate defined contribution retirement plan for trust employees, in which substantially all trust fund employees are eligible to participate. Under the plan, the Institution contributes stipulated percentages of salary which are used to purchase individual annuities, the rights to which are immediately vested with the employees. Employees can make voluntary contributions, subject to certain limitations. The Institution's cost of the plan for fiscal year 1995 was approximately \$8,267,000.

It is the policy of the Institution to pay the accrued costs of all plans currently.

In addition to the Institution's retirement plans, the Institution makes available certain health care and life insurance benefits for active and retired employees. The plan is contributory for retirees and requires payment of premiums and deductibles. Retiree contributions for premiums are established by an insurance carrier based on the average per capita cost of benefit coverage for all participants, active and retired, in the Institution's plan. The inclusion of retirees in the calculation of average per capita cost results in a higher average per capita cost than would result if only active employees were covered by the plan. Therefore, the Institution has a postretirement benefit obligation for the portion of the expected future cost of the retiree benefits that are not recovered through retiree contributions. The Institution's policy is to fund the cost of these benefits on the pay-as-you-go basis.

The Institution adopted the Financial Accounting Standards Board's Statement of Financial Accounting Standards No. 106, *Employers' Accounting for Postretirement Benefits Other Than Pensions*, during fiscal year 1994 and elected to record the October 1, 1993, accumulated postretirement benefit obligation (APBO) using the 20-year amortization option.

The following table presents the Plan's funded status reconciled with amounts recognized in the Institution's statement of financial condition at September 30, 1995:

	(\$000s)
Accumulated postretirement benefit obligation (APBO)	
Retirees	\$ (2,542)
Eligible active plan participants	(4,664)
Total APBO	(7,206)
Plan assets at fair value	190
Accumulated postretirement benefit obligation in excess of plan assets	(7,016)
Unrecognized prior service costs	-
Unrecognized net gain	(1,167)
Unrecognized transition obligation	5,869
Accrued postretirement benefit cost	\$ (2,314)

Net periodic postretirement benefit cost for the year ended September 30, 1995 includes:

	(\$000s)
Service costs	\$ 490
Interest costs	519
Amortization of transition obligation over 20 years	326
Net periodic postretirement benefit cost	\$ 1,335

The discount rate used to determine the APBO was 8.25 percent. A 10 percent health care cost trend rate was assumed for fiscal year 1995 with this rate decreasing .5 percent each year to an ultimate rate of 5 percent in fiscal year 2005 and thereafter. If the assumed health care cost trend rate was increased by 1 percentage point in each year, the net periodic postretirement benefit cost would be higher by \$158,000 and the APBO higher by \$1,004,000 as of September 30, 1995.

#### (14) Voluntary Separation Costs

During fiscal year 1994, the Institution announced the Voluntary Separation Incentive Program. This program was offered to meet employee restructuring requirements of the *Federal Workforce Restructuring Act*. The Institution accepted 209 federal funds employees and 23 trust funds employees into the program. Voluntary separation costs totaling \$5,109,000 and \$434,000 were recorded in the federal and trust funds, respectively. This program had no carryover into fiscal year 1995 expenses and no similar programs were announced in fiscal year 1995.

#### (15) Income Taxes

The Institution is exempt from income taxation under the provisions of Section 501(c)(3) of the Internal Revenue Code (the Code). Organizations described in that section are taxable only on their unrelated business income. No provision for income taxes was required for fiscal year 1995. It is the opinion of the Institution's management that it is also exempt from taxation as an instrumentality of the United States as defined in Section 501(c)(1) of the Code. Organizations described in that section are exempt from all income taxation. The Institution has not yet formally sought such dual status.

#### (16) Current Trust Funds Financial Activity

Current unrestricted funds are comprised of three distinct subfunds. These subfunds include the auxiliary activities fund that represents primarily the revenue and expenditures of the Smithsonian Associates, *Smithsonian* and *Air & Space/Smithsonian* magazines, and museum shops, concessions and mail order sales. The special purpose fund represents funds internally designated for specific purposes and the general purpose fund consists of all other unrestricted activity in the current funds.

The financial activity for the current trust funds by subfund for fiscal year 1995 is as follows:

	(\$000s)					
	Unrestricted			Total Unrestricted	Restricted	Totals
	General funds	Auxiliary funds	Special funds			
Revenue and other additions:						
Government grants and contracts	\$ -	-	-	-	50,353	50,353
Investment income	9,824	-	932	10,756	9,915	20,671
Net gain (loss) on sale of securities	(33)	-	-	(33)	-	(33)
Gifts, bequests and private grants	300	8,788	771	9,859	23,340	33,199
Rentals, fees, and commissions	881	-	11,550	12,431	3,428	15,859
Auxiliary activities	-	183,446	10,362	193,808	-	193,808
Total revenue and other additions	10,972	192,234	23,615	226,821	87,036	313,857
Expenditures and other deductions:						
Research, educational and collection acquisition	10,410	-	24,922	35,332	69,189	104,521
Administration	5,914	8,239	895	15,048	10,688	25,736
Facilities services	1,366	-	37	1,403	26	1,429
Auxiliary activities	-	168,660	7,611	176,271	-	176,271
Total expenditures and other deductions	17,690	176,899	33,465	228,054	79,903	307,957
Excess of revenue and other additions over (under) expenditures and other deductions	(6,718)	15,335	(9,850)	(1,233)	7,133	5,900
Transfers among funds (note 12)	5,858	(15,335)	9,273	(204)	(6,407)	(6,611)
Net increase (decrease) for the year	\$ (860)	-	(577)	(1,437)	726	(711)







SMITHSONIAN INSTITUTION LIBRARIES



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